

Converting Colors

XYZ(75.6238, 90.0953,
103.0269)

Have a look what the booklet for
XYZ(75.6238, 90.0953, 103.0269)
contains.

XYZ(75.6238, 90.0953, 103.0269)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.6238, 90.0953,
103.0269)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFF9
RGB	196, 255, 249
RGB Percent	77%, 100%, 98%
CMY	0.2314, 0.0000, 0.0235
CMYK	0.23, 0.00, 0.02, 0.00
HSL	174°, 100%, 88%
HSV	174°, 23%, 100%
XYZ	75.6238, 90.0953, 103.0269
YIQ	236.6750, -33.2380, -14.3740

Conversions

Conversions Part 2

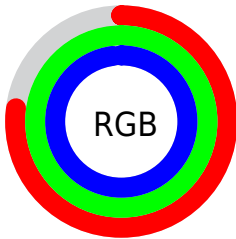
Format	Color
R_{YB}	196, 227, 255
Decimal	12910585
CIE _{Lab}	96.04, -19.60, -3.18
CIE _{LCh}	96, 19.856, 189.222
Yxy	90.0953, 0.2814, 0.3352
Android (android.graphics.Color)	4291100665 (0xFFC4FFF9)
YUV	236.6750, 6.0762, -35.6720
Hunter-Lab	94.9185, -23.8924, 2.0882

Details

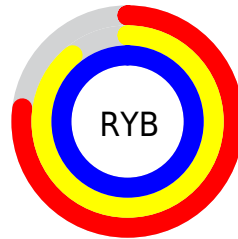
The XYZ color **75.6238, 90.0953, 103.0269** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.6413, 65.0053, 64.6490**, and the grayscale version is **80.2193, 84.3969, 91.9083**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **40.8042, 49.9011, 57.9333** is the 20% darker color. If you saturate the color by 10%, you get **69.1439, 86.8012, 100.6285**, and if you desaturate by 10%, it is **83.2385, 93.9737, 105.5104**.

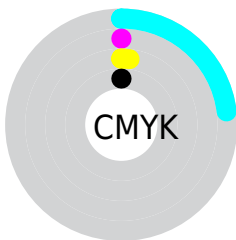
Distribution



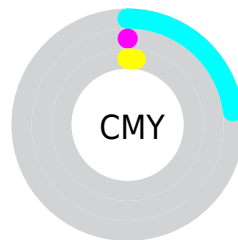
- Red (77%)
- Green (100%)
- Blue (98%)



- Red (77%)
- Yellow (89%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6238, 90.0953, 103.0269 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.6238, 90.0953, 103.0269 by changing the saturation by 10% instead.

75.6238, 90.0953,
103.0269

75.6238, 90.0953,
103.0269

469.0231,
528.3408, 591.1836

56.4201, 68.0597,
78.1999

126.1782,
147.4708, 167.3987

40.7781, 49.9463,
57.7208

158.2595,
183.5794, 207.7806

28.3327, 35.3707,
41.1710

195.3641,
225.1478, 254.1845

18.7183, 23.9486,
28.1320

237.8573,
272.5605, 307.0290

11.5697, 15.2955,
18.1853

286.1044,
326.2017, 366.7326

6.5215, 9.0270,
10.9123

340.4709,

3.2083, 4.7588,

386.4559, 433.7139

5.8945

401.3220,
453.7075, 508.3913

■ 1.2649, 2.1065,
2.7133

■ 0.1567, 0.6683,
0.9501

■ 75.6238, 90.0953,
103.0269

■ 75.6238, 90.0953,
103.0269

■ 69.1439, 86.8012,
100.6285

■ 83.2385, 93.9737,
105.5104

■ 63.7388, 84.0605,
98.3080

■ 92.0380, 98.4624,
108.0772

■ 59.3476, 81.8419,
96.0639

95.0500, 100.0000,
108.9000

■ 55.9020, 80.1101,
93.8928

■ 53.3251, 78.8255,
91.7910

■ 51.5282, 77.9424,
89.7543

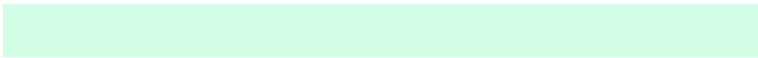
■ 50.4034, 77.4051,
87.7774

■ 49.9133, 77.1813,
86.4501

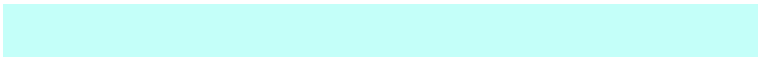
Harmonies

Analogous

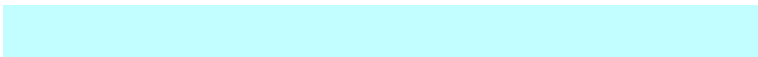
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1316, 90.0953, 87.7533



75.6238, 90.0953, 103.0269



77.7076, 90.0953, 118.4978

Triad

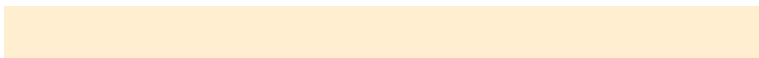
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6238, 90.0953, 103.0269



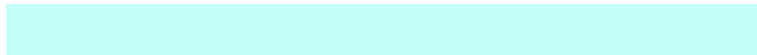
92.4873, 90.0953, 123.4505



89.4350, 90.0953, 72.4455

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



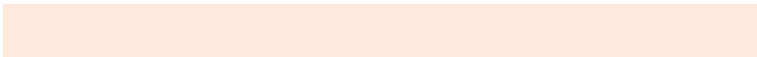
75.6238, 90.0953, 103.0269



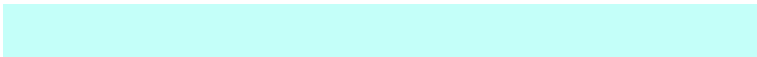
71.6413, 65.0053, 64.6490

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0795, 90.0953, 80.1859



75.6238, 90.0953, 103.0269



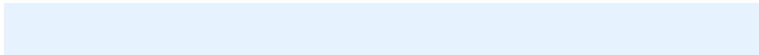
95.8935, 90.0953, 109.2264

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6238, 90.0953, 103.0269



87.3369, 90.0953, 131.0916



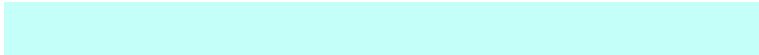
96.4883, 90.0953, 93.3298



83.9512, 90.0953, 71.1650

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6238, 90.0953, 103.0269



80.3405, 90.0953, 126.4525



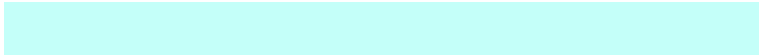
96.4883, 90.0953, 93.3298



91.1527, 90.0953, 74.3353

Sweetspot

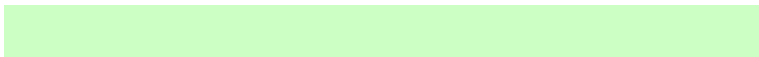
The Sweet Spot groups the original color and five complimentary colors.



75.6248, 90.0958, 103.0284



88.4943, 96.6540, 107.0752



70.3216, 88.1861, 65.5414



18.8265, 20.6293, 22.8853



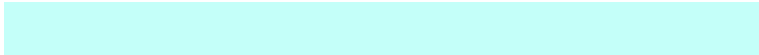
0.0000, 0.0000, 0.0000



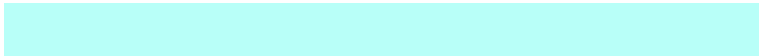
20.3446, 21.4041, 23.3091

Same Dimension

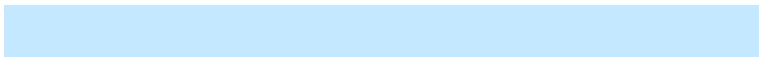
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6248, 90.0958, 103.0284



72.3346, 88.4223, 101.8511



69.7805, 76.8859, 105.7704



18.4706, 20.4478, 22.7810



26.1131, 40.3418, 45.3425



2.5646, 3.9368, 4.5308

Inverse Universe

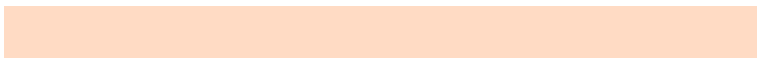
The Inverse Universe completely reimagines the original color for something new.



71.6413, 65.0053, 64.6490



67.6860, 59.1304, 57.0548



76.4361, 75.7097, 62.8109



18.0844, 18.0171, 19.0616



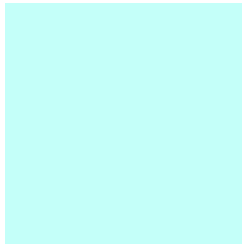
21.6702, 11.1574, 1.6476



2.1336, 1.0958, 0.2852

Previews

White Background



This preview shows how the XYZ color 75.6238, 90.0953, 103.0269 looks on a white background.

Color Contrast Check

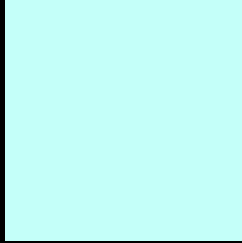
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.6238, 90.0953, 103.0269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

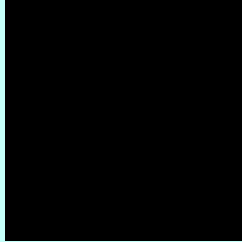
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

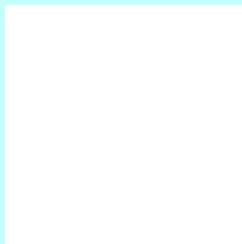
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.6238, 90.0953, 103.0269

Background



This preview shows how black text looks on a background with the XYZ color 75.6238, 90.0953, 103.0269.

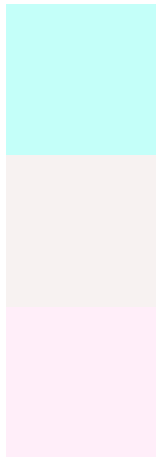


This preview shows how white text looks on a background with the XYZ color 75.6238, 90.0953,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.6238, 90.0953, 103.0269

Protanopia

85.9871, 89.6293, 95.9873

Deuteranopia

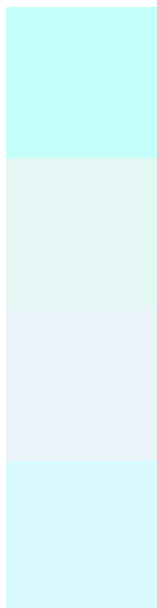
88.9134, 89.2486, 102.1630



Tritanopia

82.6843, 89.4624, 107.5178

Trichromacy



Original Color

75.6238, 90.0953, 103.0269

Protanomaly

81.5848, 89.5472, 98.5723

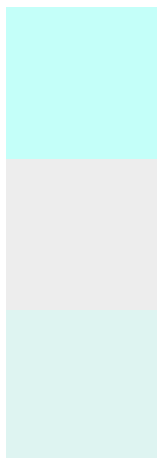
Deuteranomaly

83.3813, 89.0333, 102.4130

Tritanomaly

79.9242, 89.4421, 105.9801

Monochromacy



Original Color

75.6238, 90.0953, 103.0269

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

78.3521, 86.5818, 95.8015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6238, 90.0953, 103.0269 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 75.6238, 90.0953, 103.0269 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 249) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 255, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6238, 90.0953, 103.0269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
255, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor