

Converting Colors

XYZ(77.8040, 91.1827,
104.7795)

Have a look what the booklet for
XYZ(77.8040, 91.1827, 104.7795)
contains.

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Color

**XYZ(77.8012, 91.1815,
104.7660)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFFFF
RGB	203, 255, 251
RGB Percent	80%, 100%, 98%
CMY	0.2039, 0.0000, 0.0157
CMYK	0.20, 0.00, 0.02, 0.00
HSL	175°, 100%, 90%
HSV	175°, 20%, 100%
XYZ	77.8012, 91.1815, 104.7660
YIQ	238.9960, -29.7080, -12.2680

Conversions

Conversions Part 2

Format	Color
R_{YB}	203, 230, 255
Decimal	13369339
CIE _{Lab}	96.48, -17.13, -3.51
CIE _{LCh}	96, 17.483, 191.574
Yxy	91.1815, 0.2842, 0.3331
Android (android.graphics.Color)	4291559419 (0xFFCBFFFB)
YUV	238.9960, 5.9180, -31.5685
Hunter-Lab	95.4890, -21.6700, 1.7921

Details

The XYZ color **77.8012, 91.1815, 104.7660** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8592, 68.4782, 68.3570**, and the grayscale version is **82.0128, 86.2838, 93.9631**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2572, 50.6242, 59.1740** is the 20% darker color. If you saturate the color by 10%, you get **71.1115, 87.7684, 102.8491**, and if you desaturate by 10%, it is **85.6383, 95.1858, 106.7563**.

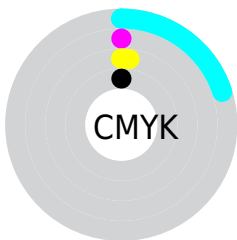
Distribution



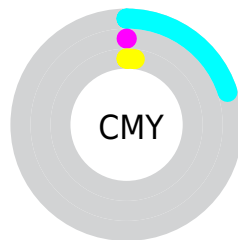
- Red (80%)
- Green (100%)
- Blue (98%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8012, 91.1815, 104.7660 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 77.8012, 91.1815, 104.7660 by changing the saturation by 10% instead.

77.8012, 91.1815,
104.7660

77.8012, 91.1815,
104.7660

476.3416,
531.8668, 596.7439

58.2129, 68.9610,
79.6478

129.2367,
148.9785, 169.8003

42.2238, 50.6799,
58.9041

161.8146,
185.3237, 210.5534

29.4684, 35.9540,
42.1164

199.4531,
227.1460, 257.3552

19.5815, 24.3986,
28.8662

242.5175,
274.8297, 310.6243

12.1977, 15.6296,
18.7349

291.3732,
328.7593, 370.7792

6.9516, 9.2624,
11.3040

346.3855,

3.4779, 4.9127,

389.3190, 438.2384

6.1550

407.9199,
456.8934, 513.4204

■ 1.4112, 2.1962,
2.8692

■ 0.2642, 0.7179,
1.0283

■ 77.8012, 91.1815,
104.7660

■ 77.8012, 91.1815,
104.7660

■ 71.1115, 87.7684,
102.8491

■ 85.6383, 95.1858,
106.7563

■ 65.5103, 84.9160,
100.9983

94.6717, 99.8064,
108.8179

■ 60.9382, 82.5938,
99.2122

95.0500, 100.0000,
108.9000

■ 57.3288, 80.7675,
97.4878

■ 54.6079, 79.3989,
95.8215

■ 52.6906, 78.4442,
94.2093

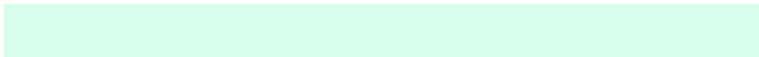
■ 51.4752, 77.8510,
92.6463

■ 50.8121, 77.5409,
91.1835

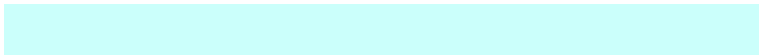
Harmonies

Analogous

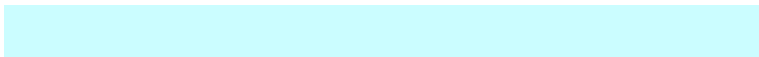
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0714, 91.1815, 91.0336



77.8012, 91.1815, 104.7660



79.8390, 91.1815, 118.1856

Triad

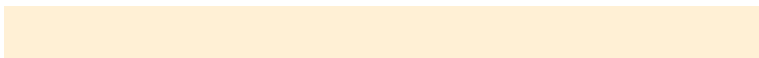
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8012, 91.1815, 104.7660



93.0366, 91.1815, 120.7531



89.6626, 91.1815, 75.9241

Complementary

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



77.8012, 91.1815, 104.7660



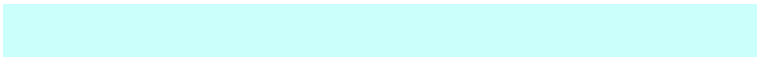
73.8592, 68.4782, 68.3570

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.



93.8699, 91.1815, 82.5084



77.8012, 91.1815, 104.7660



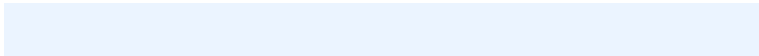
95.8677, 91.1815, 108.0123

Square

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



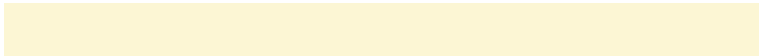
77.8012, 91.1815, 104.7660



88.5598, 91.1815, 127.9770



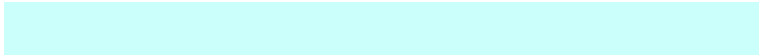
96.1783, 91.1815, 93.9912



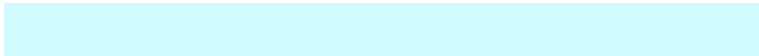
84.7979, 91.1815, 75.2315

Rectangle

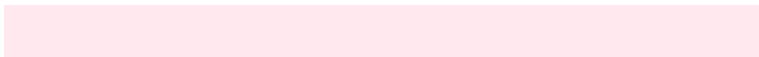
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



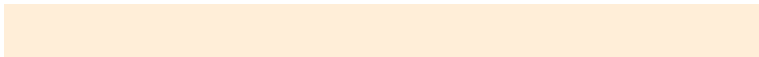
77.8012, 91.1815, 104.7660



82.2785, 91.1815, 124.8155



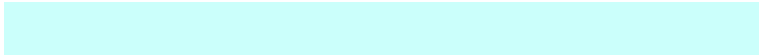
96.1783, 91.1815, 93.9912



91.2053, 91.1815, 77.4908

Sweetspot

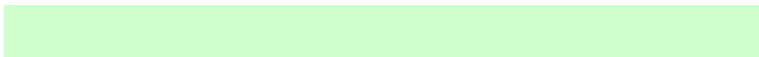
The Sweet Spot groups the original color and five complimentary colors.



77.8022, 91.1821, 104.7675



89.4545, 97.1373, 107.6524



72.3659, 89.1458, 69.8944



19.0223, 20.7276, 23.0133



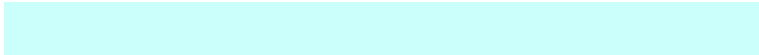
0.0000, 0.0000, 0.0000



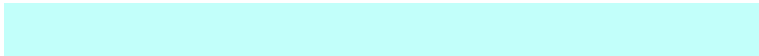
20.3446, 21.4041, 23.3091

Same Dimension

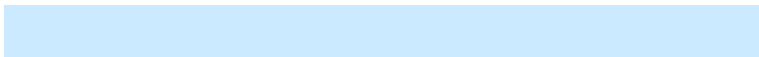
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8022, 91.1821, 104.7675



75.2583, 89.8835, 104.0672



71.9131, 78.3843, 105.9472



18.4910, 20.4559, 22.8887



26.5758, 40.5269, 47.7789



2.6048, 3.9529, 4.7427

Inverse Universe

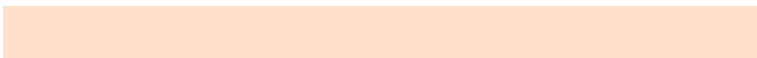
The Inverse Universe completely reimagines the original color for something new.



73.8592, 68.4782, 68.3570



70.7388, 63.8552, 62.3295



78.8555, 79.2432, 67.6410



18.0660, 18.0097, 18.9649



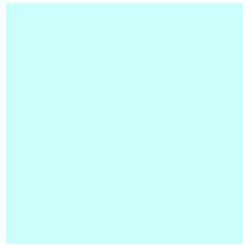
21.6329, 11.1425, 1.4516



2.1250, 1.0924, 0.2396

Previews

White Background



This preview shows how the XYZ color 77.8012, 91.1815, 104.7660 looks on a white background.

Color Contrast Check

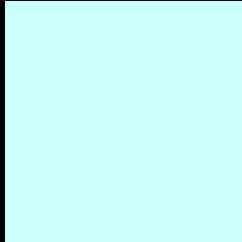
Large Text (above 18pt) WCAG AA × Fail

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 77.8012, 91.1815, 104.7660 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 77.8012, 91.1815, 104.7660

Background



This preview shows how black text looks on a background with the XYZ color 77.8012, 91.1815, 104.7660.



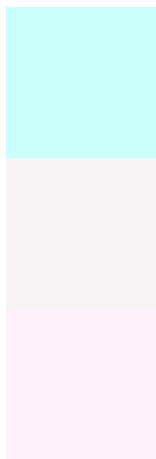
This preview shows how white text looks on a background with the XYZ color 77.8012, 91.1815,

104.7660.

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

77.8012, 91.1815, 104.7660

Protanopia

87.0911, 90.5893, 98.4832

Deuteranopia

89.6554, 90.4823, 103.1820



Tritanopia

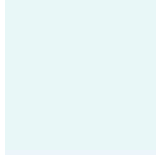
84.2658, 90.7305, 107.6792

Trichromacy



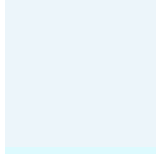
Original Color

77.8012, 91.1815, 104.7660



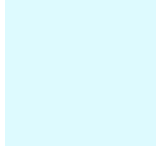
Protanomaly

83.3280, 90.3927, 101.0514



Deuteranomaly

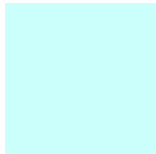
84.4998, 90.0398, 103.3683



Tritanomaly

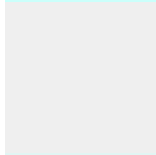
81.8938, 90.8991, 106.9950

Monochromacy



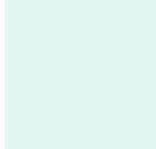
Original Color

77.8012, 91.1815, 104.7660



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1941, 87.9446, 97.5424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8012, 91.1815, 104.7660 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(203, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 251)  
}
```

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(203, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 251) }
```

Border

The CSS property to change the border of an element to XYZ 77.8012, 91.1815, 104.7660 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(203, 255, 251) }
```


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

```
.border{ border-color:rgb(203, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8012, 91.1815, 104.7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 251) }
```

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

```
.background{ background-color: rgb(203,  
255, 251) }
```

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](#).

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