

Converting Colors

XYZ(99.0523, 100.0000,
227.3416)

Have a look what the booklet for
XYZ(99.0523, 100.0000, 227.3416)
contains.

XYZ(76.0581, 90.2093, 108.0112)	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(76.0581, 90.2093,
108.0112)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFFF
RGB	194, 255, 255
RGB Percent	76%, 100%, 100%
CMY	0.2392, 0.0000, 0.0000
CMYK	0.24, 0.00, 0.00, 0.00
HSL	180°, 100%, 88%
HSV	180°, 24%, 100%
XYZ	76.0581, 90.2093, 108.0112
YIQ	236.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

Format	Color
R_{YB}	194, 225, 255
Decimal	12779519
CIE Lab	96.08, -18.92, -6.22
CIE LCh	96, 19.913, 198.193
Yxy	90.2093, 0.2773, 0.3289
Android (android.graphics.Color)	4290969599 (0xFFC2FFFF)
YUV	236.7610, 8.9918, -37.5014
Hunter-Lab	94.9786, -23.2711, -0.9406

Details

The XYZ color **76.0581, 90.2093, 108.0112** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.2704, 63.7400, 59.6401**, and the grayscale version is **80.2653, 84.4453, 91.9610**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **41.0346, 49.9544, 60.9055** is the 20% darker color. If you saturate the color by 10%, you get **70.0657, 87.1201, 107.7308**, and if you desaturate by 10%, it is **83.1750, 93.8782, 108.3443**.

Distribution



- Red (76%)
- Green (100%)
- Blue (100%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0581, 90.2093, 108.0112 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 76.0581, 90.2093, 108.0112 by changing the saturation by 10% instead.

76.0581, 90.2093,
108.0112

76.0581, 90.2093,
108.0112

470.4879,
528.7115, 607.0479

56.7774, 68.1542,
82.3536

126.7889,
147.6291, 174.2712

41.0660, 50.0232,
61.1195

158.9698,
183.7626, 215.7106

28.5585, 35.4319,
43.8905

196.1814,
225.3577, 263.2478

18.8897, 23.9957,
30.2478

238.7890,
272.7989, 317.3012

11.6941, 15.3305,
19.7731

287.1582,
326.4704, 378.2893

6.6065, 9.0516,
12.0478

341.6541,

3.2614, 4.7749,

386.7568, 446.6308

6.6533

402.6423,
454.0423, 522.7442

■ 1.2934, 2.1158,
3.1711

■ 0.1783, 0.6735,
1.1827

■ 76.0581, 90.2093,
108.0112

■ 76.0581, 90.2093,
108.0112

■ 70.0657, 87.1201,
107.7308

■ 83.1750, 93.8782,
108.3443

■ 65.1382, 84.5799,
107.5002

■ 91.4672, 98.1530,
108.7323

■ 61.2139, 82.5568,
107.3165

95.0500, 100.0000,
108.9000

■ 58.2239, 81.0155,
107.1766

■ 56.0908, 79.9158,
107.0767

■ 54.7246, 79.2115,
107.0128

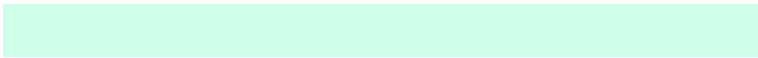
■ 54.0153, 78.8458,
106.9796

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

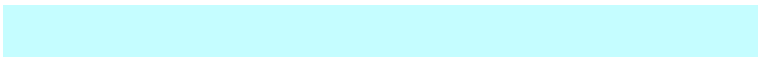
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7762, 90.2093, 92.1396



76.0581, 90.2093, 108.0112



78.8658, 90.2093, 122.6391

Triad

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



76.0581, 90.2093, 108.0112



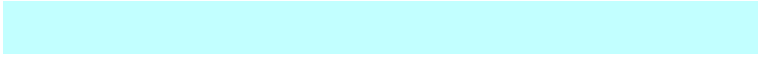
93.8895, 90.2093, 119.8866



87.9290, 90.2093, 71.3977

Complementary

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



76.0581, 90.2093, 108.0112



70.2704, 63.7400, 59.6401

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.



93.0050, 90.2093, 77.2831



76.0581, 90.2093, 108.0112



96.5437, 90.2093, 104.5676

Square

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



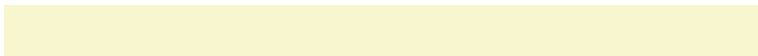
76.0581, 90.2093, 108.0112



89.0943, 90.2093, 129.9853



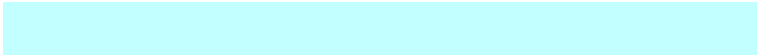
96.2132, 90.2093, 89.0440



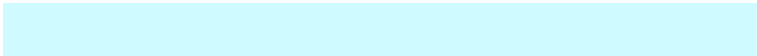
82.4734, 90.2093, 72.1078

Rectangle

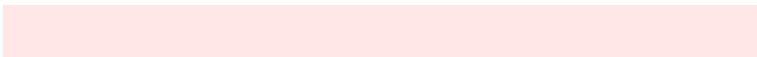
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



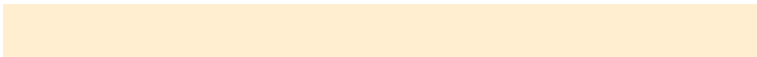
76.0581, 90.2093, 108.0112



81.8626, 90.2093, 129.1974



96.2132, 90.2093, 89.0440



89.7405, 90.2093, 72.6421

Sweetspot

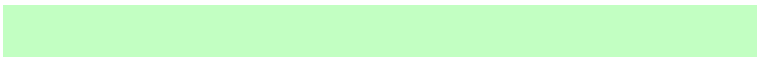
The Sweet Spot groups the original color and five complimentary colors.



76.0589, 90.2097, 108.0112



88.7852, 96.7704, 108.6068



67.7468, 86.8849, 64.2405



18.8940, 20.6563, 23.2412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

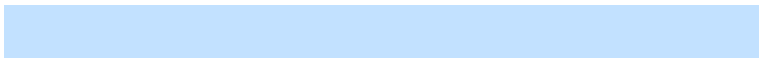
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0589, 90.2097, 108.0112



72.8778, 88.5698, 107.8624



67.0895, 72.2710, 105.0214



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



78.5824, 67.0649, 103.4108



75.8240, 61.5481, 102.4913



77.7686, 78.7364, 62.1395



18.7928, 18.3004, 22.7918



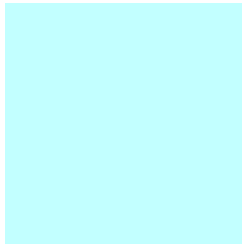
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 76.0581, 90.2093, 108.0112 looks on a white background.

Color Contrast Check

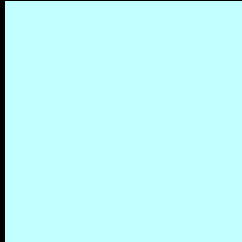
Large Text (above 18pt) WCAG AA × Fail

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 76.0581, 90.2093, 108.0112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

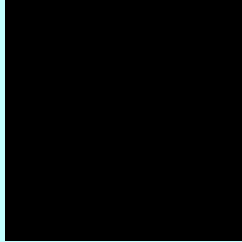
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.0581, 90.2093, 108.0112

Background



This preview shows how black text looks on a background with the XYZ color 76.0581, 90.2093, 108.0112.

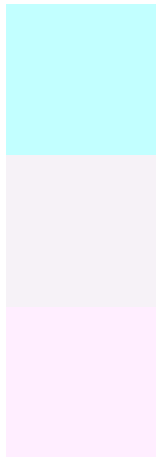


This preview shows how white text looks on a background with the XYZ color 76.0581, 90.2093,

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

76.0581, 90.2093, 108.0112

Protanopia

86.5467, 89.8125, 100.7697

Deuteranopia

89.8645, 89.6291, 107.1715



Tritanopia

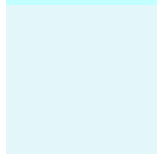
82.9893, 90.0724, 107.6195

Trichromacy



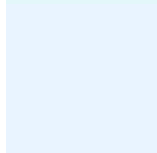
Original Color

76.0581, 90.2093, 108.0112



Protanomaly

82.1946, 89.7545, 103.4347



Deuteranomaly

84.0050, 89.2450, 107.4062



Tritanomaly

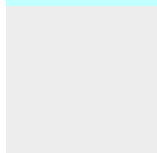
80.2599, 90.0383, 107.7567

Monochromacy



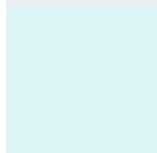
Original Color

76.0581, 90.2093, 108.0112



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.4986, 86.6052, 98.1671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0581, 90.2093, 108.0112 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(194, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 255)  
}
```

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(194, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.0581, 90.2093, 108.0112 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(194, 255, 255) }
```


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

```
.border{ border-color:rgb(194, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0581, 90.2093, 108.0112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 255) }
```

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

```
.background{ background-color: rgb(194,  
255, 255) }
```

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