

Converting Colors

XYZ(33.2783, 66.7730,
100.9167)

Have a look what the booklet for
XYZ(33.2783, 66.7730, 100.9167)
contains.

XYZ(51.9093, 76.4604, 101.6450)	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(51.9093, 76.4604,
101.6450)**

Conversions

Conversions Part 1

Format	Color
Hex	00FCF9
RGB	0, 252, 249
RGB Percent	0%, 99%, 98%
CMY	0.9997, 0.0118, 0.0235
CMYK	1.00, 0.00, 0.01, 0.01
HSL	179°, 100%, 49%
HSV	179°, 100%, 99%
XYZ	51.9093, 76.4604, 101.6450
YIQ	176.3100, -149.2290, -54.3570

Conversions

Conversions Part 2

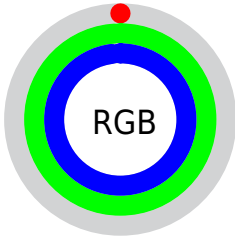
Format	Color
RYB	0, 127, 252
Decimal	64761
CIELab	90.07, -48.51, -12.58
CIELCh	90, 50.114, 194.541
Yxy	76.4604, 0.2257, 0.3324
Android (android.graphics.Color)	4278254841 (0xFF00FCF9)
YUV	176.3100, 35.8362, -154.6239
Hunter-Lab	87.4416, -47.0572, -7.7115

Details

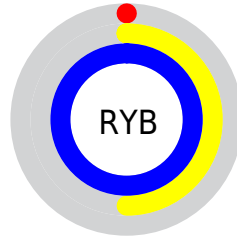
The XYZ color **51.9093, 76.4604, 101.6450** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.1638, 20.7044, 1.9677**, and the grayscale version is **41.3151, 43.4667, 47.3353**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **29.1407, 42.8805, 57.1930** is the 20% darker color. If you saturate the color by 10%, you get **51.9106, 76.4627, 101.6461**, and if you desaturate by 10%, it is **52.3652, 76.6917, 101.9128**.

Distribution



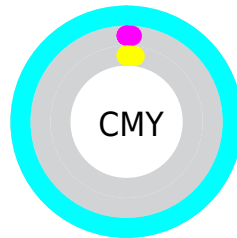
- Red (0%)
- Green (99%)
- Blue (98%)



- Red (0%)
- Yellow (50%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)



- Cyan (100%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9093, 76.4604, 101.6450 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 51.9093, 76.4604, 101.6450 by changing the saturation by 10% instead.

51.9093, 76.4604,
101.6450

51.9093, 76.4604,
101.6450

384.4161,
482.9223, 586.7456

37.1568, 56.8101,
77.0505

92.1725, 128.3775,
165.4875

25.5031, 40.8528,
56.7825

118.4138,
161.4131, 205.5726

16.5830, 28.2041,
40.4225

149.2155,
199.6793, 251.6584

10.0311, 18.4796,
27.5518

184.9429,
243.5604, 304.1633

5.4820, 11.2948,
17.7520

225.9612,
293.4408, 363.5060

2.5704, 6.2655,
10.6045

272.6360,

0.9309, 3.0072,

349.7050, 430.1049

5.6907

325.3325,
412.7374, 504.3786

■ 0.0000, 1.1355,
2.5922

■ 0.0000, 0.0080,
0.8884

■ 51.9093, 76.4604,
101.6450

■ 51.9093, 76.4604,
101.6450

■ 51.9106, 76.4627,
101.6461

■ 52.3652, 76.6917,
101.9128

■ 53.3433, 77.1905,
102.2037

■ 55.0061, 78.0422,
102.5270

■ 57.4513, 79.2973,
102.8873

60.7608, 80.9980,
103.2884

65.0064, 83.1812,
103.7338

70.2523, 85.8801,
104.2264

76.5569, 89.1248,
104.7689

83.9743, 92.9431,
105.3638

Harmonies

Analogous

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



51.9885, 76.4604, 66.3102



51.9093, 76.4604, 101.6450



56.9369, 76.4604, 141.0747

Triad

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



51.9093, 76.4604, 101.6450



90.7568, 76.4604, 142.1793



79.2309, 76.4604, 33.1771

Complementary

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



51.9093, 76.4604, 101.6450



40.1638, 20.7044, 1.9677

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.



91.0710, 76.4604, 43.8834



51.9093, 76.4604, 101.6450



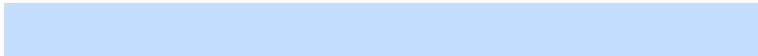
98.2246, 76.4604, 102.8594

Square

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



51.9093, 76.4604, 101.6450



78.8399, 76.4604, 168.6241



98.3457, 76.4604, 67.2242



66.8370, 76.4604, 33.0237

Rectangle

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



51.9093, 76.4604, 101.6450



62.8773, 76.4604, 161.5947



98.3457, 76.4604, 67.2242



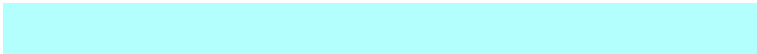
83.4373, 76.4604, 35.4868

Sweetspot

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



51.9116, 76.4632, 101.6468



72.1386, 88.2057, 107.0635



34.8654, 69.6508, 11.6084



14.9268, 18.6153, 22.8690



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.



51.9116, 76.4632, 101.6468



53.3246, 78.5458, 104.4139



25.5862, 23.0571, 95.2005



17.7564, 19.6048, 22.1837



27.0441, 39.8307, 52.9692



2.5076, 3.6901, 4.9206

Inverse Universe

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



40.1638, 20.7044, 1.9677



41.2566, 21.2667, 2.0177



47.0863, 34.5757, 4.1941



17.2530, 17.2286, 17.9222



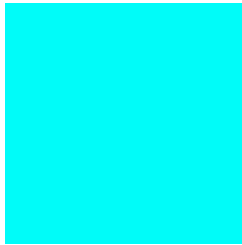
20.9242, 10.7854, 1.0435



1.9408, 1.0001, 0.1117

Previews

White Background



This preview shows how the XYZ color 51.9093, 76.4604, 101.6450 looks on a white background.

Color Contrast Check

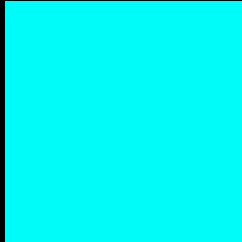
Large Text (above 18pt) WCAG AA × Fail

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 51.9093, 76.4604, 101.6450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

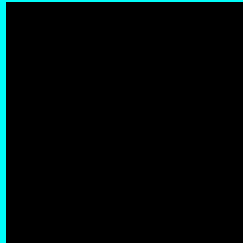
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9093, 76.4604, 101.6450

Background



This preview shows how black text looks on a background with the XYZ color 51.9093, 76.4604, 101.6450.

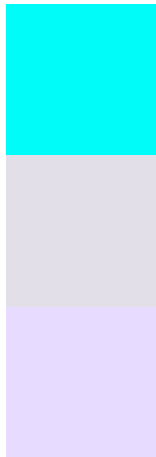


This preview shows how white text looks on a background with the XYZ color 51.9093, 76.4604,

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

51.9093, 76.4604, 101.6450

Protanopia

72.3172, 74.7703, 86.9645

Deuteranopia

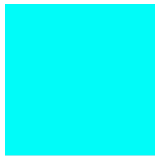
76.3365, 74.8720, 105.0361



Tritanopia

60.6606, 75.8814, 106.0572

Trichromacy



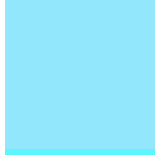
Original Color

51.9093, 76.4604, 101.6450



Protanomaly

56.3570, 70.9480, 91.6129



Deuteranomaly

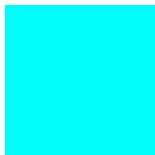
58.3382, 70.4467, 103.4513



Tritanomaly

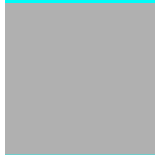
54.5985, 74.5703, 104.4444

Monochromacy



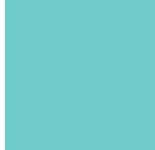
Original Color

51.9093, 76.4604, 101.6450



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.0544, 50.9423, 64.2744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9093, 76.4604, 101.6450 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(0, 252, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 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(0, 252, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 249) }
```

Border

The CSS property to change the border of an element to XYZ 51.9093, 76.4604, 101.6450 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(0, 252, 249) }
```


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

```
.border{ border-color:rgb(0, 252, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9093, 76.4604, 101.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 249) }
```

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

```
.background{ background-color: rgb(0, 252,  
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