

Converting Colors

XYZ(50.6667, 75.7517, 95.6483)

Have a look what the booklet for
XYZ(50.6667, 75.7517, 95.6483)
contains.

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Color

**XYZ(50.8625, 76.0445,
96.0017)**

Conversions

Conversions Part 1

Format	Color
Hex	02FCF2
RGB	2, 252, 242
RGB Percent	1%, 99%, 95%
CMY	0.9919, 0.0118, 0.0510
CMYK	0.99, 0.00, 0.04, 0.01
HSL	178°, 98%, 50%
HSV	178°, 99%, 99%
XYZ	50.8625, 76.0445, 96.0017
YIQ	176.1100, -145.7900, -56.1100

Conversions

Conversions Part 2

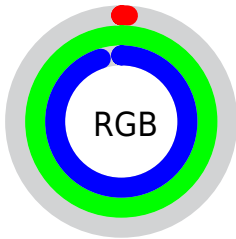
Format	Color
R _Y B	2, 130, 252
Decimal	195826
CIE Lab	89.88, -50.44, -9.23
CIE LCh	90, 51.281, 190.367
Yxy	76.0445, 0.2282, 0.3411
Android (android.graphics.Color)	4278385906 (0xFF02FCF2)
YUV	176.1100, 32.4838, -152.6945
Hunter-Lab	87.2035, -48.4938, -4.2295

Details

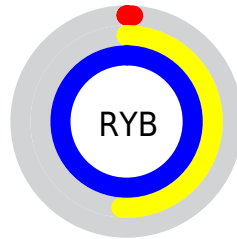
The XYZ color **50.8625, 76.0445, 96.0017** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.2355, 20.7679, 2.2382**, and the grayscale version is **41.2270, 43.3740, 47.2343**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.1547, 42.1287, 53.1021** is the 20% darker color. If you saturate the color by 10%, you get **50.8263, 76.0290, 95.9366**, and if you desaturate by 10%, it is **51.4500, 76.3315, 96.8239**.

Distribution



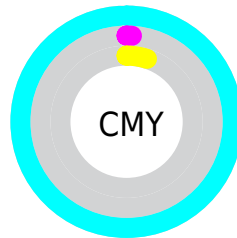
- Red (1%)
- Green (99%)
- Blue (95%)



- Red (1%)
- Yellow (51%)
- Blue (99%)



- Cyan (99%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)





- Cyan (99%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8625, 76.0445, 96.0017 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 50.8625, 76.0445, 96.0017 by changing the saturation by 10% instead.


 50.8625, 76.0445,
96.0017


 50.8625, 76.0445,
96.0017


380.4258,
481.5000, 568.4329

 36.3198, 56.4690,
72.3675


 90.6357, 127.7898,
157.6552


 24.8525, 40.5791,
52.9703


 116.5969,
160.7284, 196.5116

 16.0954, 27.9903,
37.3915


 147.0950,
198.8902, 241.2792

 9.6829, 18.3184,
25.2126

 182.4952,
242.6595, 292.3764

 5.2499, 11.1788,
16.0150

223.1631,
292.4207, 350.2218

 2.4309, 6.1872,
9.3803

269.4639,

 0.8605, 2.9593,

348.5583, 415.2340

4.8899

321.7630,
411.4566, 487.8316

■ 0.0000, 1.1105,
2.1252

■ 0.0000, 0.0000,
0.6307

■ 50.8625, 76.0445,
96.0017

■ 50.8625, 76.0445,
96.0017

■ 50.8263, 76.0290,
95.9366

■ 51.4500, 76.3315,
96.8239

■ 52.5843, 76.8986,
97.6743

■ 54.4125, 77.8233,
98.5615

■ 57.0308, 79.1553,
99.4902

■ 60.5204, 80.9363,
100.4639

■ 64.9521, 83.2029,
101.4862

■ 70.3897, 85.9879,
102.5599

■ 76.8912, 89.3214,
103.6879

■ 84.5105, 93.2309,
104.8725

Harmonies

Analogous

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



51.6728, 76.0445, 61.4974



50.8625, 76.0445, 96.0017



55.2581, 76.0445, 136.7153

Triad

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



50.8625, 76.0445, 96.0017



89.2349, 76.0445, 148.1559



80.7775, 76.0445, 32.9328

Complementary

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



50.8625, 76.0445, 96.0017



40.2355, 20.7679, 2.2382

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.



92.4765, 76.0445, 45.3293



50.8625, 76.0445, 96.0017



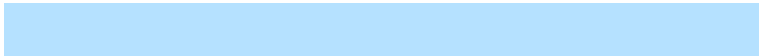
97.7407, 76.0445, 108.5275

Square

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



50.8625, 76.0445, 96.0017



76.7517, 76.0445, 172.1535



98.9918, 76.0445, 70.8669



67.9816, 76.0445, 31.3799

Rectangle

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



50.8625, 76.0445, 96.0017



60.8879, 76.0445, 159.4671



98.9918, 76.0445, 70.8669



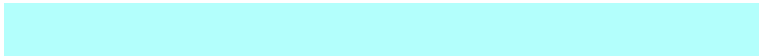
85.0068, 76.0445, 35.7515

Sweetspot

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



50.8648, 76.0473, 96.0035



71.7960, 88.0686, 105.2593



35.0130, 69.7256, 11.6726



14.8433, 18.5819, 22.4292



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.



50.8648, 76.0473, 96.0035



52.2102, 78.1001, 98.5455



26.9076, 25.6626, 95.6336



17.7340, 19.5959, 22.0660



26.4889, 39.6086, 50.0451



2.4624, 3.6721, 4.6829

Inverse Universe

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



40.2355, 20.7679, 2.2382



41.2959, 21.2824, 2.2244



46.2362, 32.8581, 3.9649



17.2728, 17.2365, 18.0261



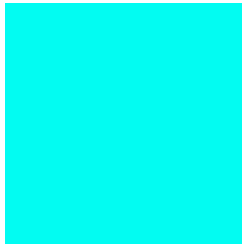
20.9533, 10.7970, 1.1965



1.9502, 1.0038, 0.1613

Previews

White Background



This preview shows how the XYZ color 50.8625, 76.0445, 96.0017 looks on a white background.

Color Contrast Check

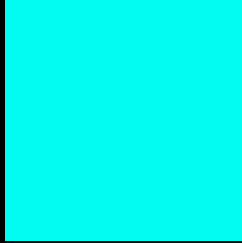
Large Text (above 18pt) WCAG AA × Fail

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 50.8625, 76.0445, 96.0017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

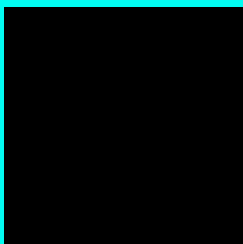
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

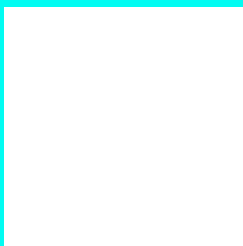
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8625, 76.0445, 96.0017

Background



This preview shows how black text looks on a background with the XYZ color 50.8625, 76.0445, 96.0017.

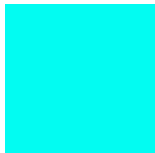


This preview shows how white text looks on a background with the XYZ color 50.8625, 76.0445,

Color Blindness Simulation

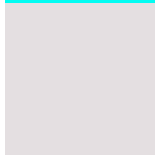
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



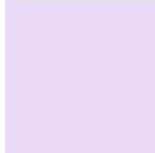
Original Color

50.8625, 76.0445, 96.0017



Protanopia

71.9732, 74.7056, 81.8604



Deuteranopia

76.1020, 74.4748, 99.9866



Tritanopia

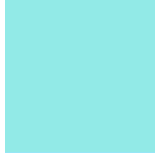
60.1528, 75.6196, 106.0334

Trichromacy



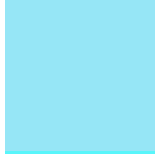
Original Color

50.8625, 76.0445, 96.0017



Protanomaly

55.7007, 70.7262, 86.3171



Deuteranomaly

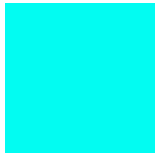
57.5090, 69.7315, 97.6173



Tritanomaly

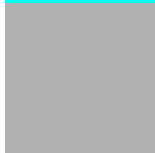
54.0276, 74.3308, 101.9422

Monochromacy



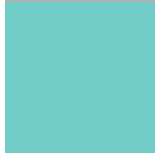
Original Color

50.8625, 76.0445, 96.0017



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.8282, 50.8666, 62.4153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8625, 76.0445, 96.0017 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(2, 252, 242)` looks like.

```
.text, #text, p{  
    color:rgb(2, 252, 242)  
}
```

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(2, 252, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 252, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.8625, 76.0445, 96.0017 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(2, 252, 242) }
```


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

```
.border{ border-color:rgb(2, 252, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 252, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 252, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 252, 242);  
box-shadow:4px 4px 4px 4px rgb(2, 252,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8625, 76.0445, 96.0017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 252, 242) }
```

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

```
.background{ background-color: rgb(2, 252,  
242) }
```

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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