

Converting Colors

XYZ(52.4143, 78.1963, 98.9508)

Have a look what the booklet for
XYZ(52.4143, 78.1963, 98.9508)
contains.

XYZ(52.3666, 78.1771, 98.7159)	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(52.3666, 78.1771,
98.7159)**

Conversions

Conversions Part 1

Format	Color
Hex	0AFFF5
RGB	10, 255, 245
RGB Percent	4%, 100%, 96%
CMY	0.9605, 0.0000, 0.0392
CMYK	0.96, 0.00, 0.04, 0.00
HSL	178°, 100%, 52%
HSV	178°, 96%, 100%
XYZ	52.3666, 78.1771, 98.7159
YIQ	180.6050, -142.8100, -55.0500

Conversions

Conversions Part 2

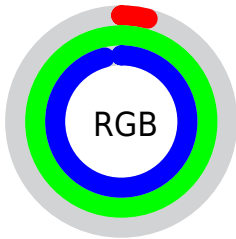
Format	Color
R _Y B	10, 135, 255
Decimal	720885
CIE Lab	90.86, -50.71, -9.33
CIE LCh	91, 51.560, 190.423
Yxy	78.1771, 0.2284, 0.3410
Android (android.graphics.Color)	4278910965 (0xFF0AFF5)
YUV	180.6050, 31.7467, -149.6206
Hunter-Lab	88.4178, -49.0122, -4.3031

Details

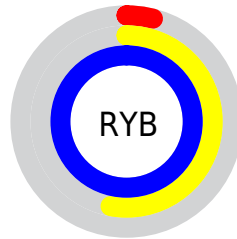
The XYZ color **52.3666, 78.1771, 98.7159** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.4762, 21.5293, 2.6345**, and the grayscale version is **43.6081, 45.8791, 49.9623**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **29.1516, 43.6066, 55.0246** is the 20% darker color. If you saturate the color by 10%, you get **52.1790, 78.0876, 98.3813**, and if you desaturate by 10%, it is **53.1137, 78.5438, 99.5843**.

Distribution



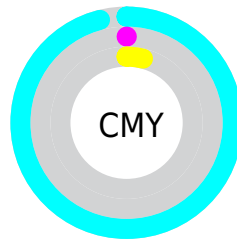
- Red (4%)
- Green (100%)
- Blue (96%)



- Red (4%)
- Yellow (53%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (96%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3666, 78.1771, 98.7159 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 52.3666, 78.1771, 98.7159 by changing the saturation by 10% instead.


 52.3666, 78.1771,
98.7159


 52.3666, 78.1771,
98.7159


386.1510,
488.7681, 577.2793


 37.5228, 58.2195,
74.6177


 92.8427, 130.7997,
161.4279


 25.7881, 41.9851,
54.7999


 119.2057,
164.2336, 200.8787

 16.7970, 29.0896,
38.8440


 150.1392,
202.9282, 246.2841

 10.1843, 19.1486,
26.3315

 186.0085,
247.2681, 298.0627

 5.5845, 11.7777,
16.8438

227.1790,
297.6377, 356.6330

 2.6324, 6.5925,
9.9624

274.0160,

 0.9625, 3.2086,

354.4212, 422.4135

5.2688

326.8849,
418.0032, 495.8227

■ 0.0000, 1.2416,
2.3443

■ 0.0000, 0.0953,
0.7559

■ 52.3666, 78.1771,
98.7159

■ 52.3666, 78.1771,
98.7159

■ 52.1790, 78.0876,
98.3813

■ 53.1137, 78.5438,
99.5843

■ 54.4901, 79.2349,
100.4853

■ 56.6130, 80.3106,
101.4260

■ 59.5756, 81.8192,
102.4106

■ 63.4578, 83.8017,
103.4430

■ 68.3300, 86.2945,
104.5265

■ 74.2559, 89.3303,
105.6639

■ 81.2938, 92.9394,
106.8581

■ 89.4977, 97.1494,
108.1116

Harmonies

Analogous

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



53.1871, 78.1771, 63.3515



52.3666, 78.1771, 98.7159



56.8818, 78.1771, 140.3771

Triad

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



52.3666, 78.1771, 98.7159



91.6878, 78.1771, 151.9376



82.9835, 78.1771, 33.9828

Complementary

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



52.3666, 78.1771, 98.7159



41.4762, 21.5293, 2.6345

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.



94.9657, 78.1771, 46.6831



52.3666, 78.1771, 98.7159



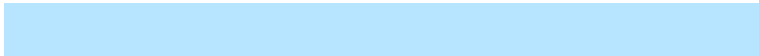
100.3820, 78.1771, 111.3822

Square

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



52.3666, 78.1771, 98.7159



78.9114, 78.1771, 176.5238



101.6469, 78.1771, 72.8364



69.8815, 78.1771, 32.4074

Rectangle

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



52.3666, 78.1771, 98.7159



62.6565, 78.1771, 163.6257



101.6469, 78.1771, 72.8364



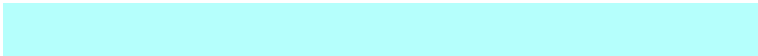
87.3145, 78.1771, 36.8699

Sweetspot

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



52.3677, 78.1777, 98.7174



72.3955, 88.3769, 105.3227



36.1530, 71.7162, 12.2263



14.9555, 18.6396, 22.4396



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.



52.3677, 78.1777, 98.7174



52.1790, 78.0876, 98.3813



28.2680, 27.4689, 98.4199



18.5209, 20.4679, 23.0462



27.2788, 40.8081, 51.4809



2.6656, 3.9772, 5.0629

Inverse Universe

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



41.4762, 21.5293, 2.6345



41.2970, 21.2828, 2.2304



48.0463, 34.7844, 4.4709



18.0394, 17.9991, 18.8248



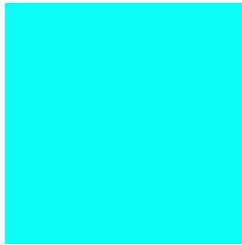
21.5916, 11.1259, 1.2337



2.1124, 1.0873, 0.1733

Previews

White Background



This preview shows how the XYZ color 52.3666, 78.1771, 98.7159 looks on a white background.

Color Contrast Check

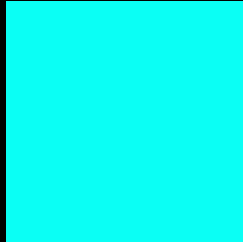
Large Text (above 18pt) WCAG AA × Fail

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 52.3666, 78.1771, 98.7159 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 52.3666, 78.1771, 98.7159

Background



This preview shows how black text looks on a background with the XYZ color 52.3666, 78.1771, 98.7159.



This preview shows how white text looks on a background with the XYZ color 52.3666, 78.1771,

Color Blindness Simulation

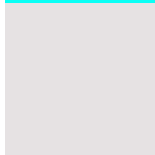
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



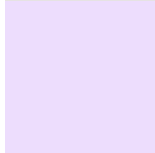
Original Color

52.3666, 78.1771, 98.7159



Protanopia

73.6946, 76.7618, 83.6054



Deuteranopia

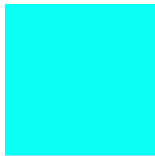
78.5111, 76.8093, 103.6162



Tritanopia

62.9390, 77.4966, 106.2488

Trichromacy



Original Color

52.3666, 78.1771, 98.7159



Protanomaly

57.7131, 72.9929, 88.8891



Deuteranomaly

59.7207, 72.0500, 101.2019



Tritanomaly

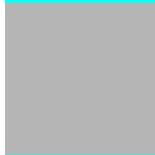
56.0402, 76.2533, 103.0315

Monochromacy



Original Color

52.3666, 78.1771, 98.7159



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.0627, 53.3933, 65.2685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3666, 78.1771, 98.7159 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(10, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 245)  
}
```

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(10, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 52.3666, 78.1771, 98.7159 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(10, 255, 245) }
```


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

```
.border{ border-color:rgb(10, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3666, 78.1771, 98.7159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 245) }
```

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

```
.background{ background-color: rgb(10, 255,  
245) }
```

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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