

Converting Colors

XYZ(52.2775, 78.1303, 98.7509)

Have a look what the booklet for
XYZ(52.2775, 78.1303, 98.7509)
contains.

XYZ(52.2665, 78.1255, 98.7112)	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(52.2665, 78.1255,
98.7112)**

Conversions

Conversions Part 1

Format	Color
Hex	02FFF5
RGB	2, 255, 245
RGB Percent	1%, 100%, 96%
CMY	0.9919, 0.0000, 0.0392
CMYK	0.99, 0.00, 0.04, 0.00
HSL	178°, 100%, 50%
HSV	178°, 99%, 100%
XYZ	52.2665, 78.1255, 98.7112
YIQ	178.2130, -147.5780, -56.7460

Conversions

Conversions Part 2

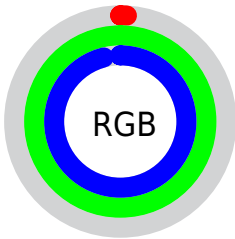
Format	Color
R _Y B	2, 131, 255
Decimal	196597
CIE Lab	90.84, -50.87, -9.37
CIE LCh	91, 51.724, 190.432
Yxy	78.1255, 0.2281, 0.3410
Android (android.graphics.Color)	4278386677 (0xFF02FFF5)
YUV	178.2130, 32.9260, -154.5388
Hunter-Lab	88.3886, -49.1284, -4.3422

Details

The XYZ color **52.2665, 78.1255, 98.7112** 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 **41.3293, 21.3317, 2.2892**, and the grayscale version is **42.3279, 44.5323, 48.4957**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **29.1516, 43.6066, 55.0246** is the 20% darker color. If you saturate the color by 10%, you get **52.2292, 78.1077, 98.6456**, and if you desaturate by 10%, it is **52.8633, 78.4153, 99.5461**.

Distribution



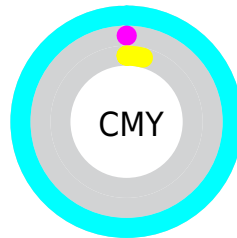
- Red (1%)
- Green (100%)
- Blue (96%)



- Red (1%)
- Yellow (51%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2665, 78.1255, 98.7112 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 52.2665, 78.1255, 98.7112 by changing the saturation by 10% instead.


 52.2665, 78.1255,
98.7112

 52.2665, 78.1255,
98.7112


385.7717,
488.5929, 577.2641

 37.4427, 58.1771,
74.6138


 92.6961, 130.7270,
161.4213


 25.7257, 41.9510,
54.7967


 119.0325,
164.1489, 200.8711

 16.7501, 29.0629,
38.8415


 149.9372,
202.8307, 246.2755

 10.1507, 19.1284,
26.3295

 185.7754,
247.1569, 298.0529

 5.5620, 11.7631,
16.8424

226.9127,
297.5118, 356.6219

 2.6187, 6.5826,
9.9614

273.7142,

 0.9555, 3.2025,

354.2799, 422.4011

5.2681

326.5454,
417.8454, 495.8089

■ 0.0000, 1.2383,
2.3439

■ 0.0000, 0.0927,
0.7557

■ 52.2665, 78.1255,
98.7112

■ 52.2665, 78.1255,
98.7112

■ 52.2292, 78.1077,
98.6456

■ 52.8633, 78.4153,
99.5461

■ 54.0232, 78.9953,
100.4104

■ 55.8963, 79.9429,
101.3124

■ 58.5815, 81.3090,
102.2569

■ 62.1623, 83.1368,
103.2476

■ 66.7119, 85.4639,
104.2881

■ 72.2958, 88.3241,
105.3814

■ 78.9738, 91.7482,
106.5304

■ 86.8012, 95.7648,
107.7375

Harmonies

Analogous

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



53.0870, 78.1255, 63.2513



52.2665, 78.1255, 98.7112



56.7923, 78.1255, 140.5162

Triad

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



52.2665, 78.1255, 98.7112



91.6940, 78.1255, 152.0994



82.9554, 78.1255, 33.8344

Complementary

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



52.2665, 78.1255, 98.7112



41.3293, 21.3317, 2.2892

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.



94.9762, 78.1255, 46.5412



52.2665, 78.1255, 98.7112



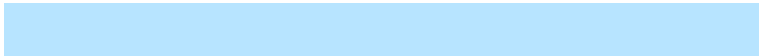
100.4151, 78.1255, 111.3938

Square

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



52.2665, 78.1255, 98.7112



78.8792, 78.1255, 176.7932



101.6818, 78.1255, 72.7389



69.8170, 78.1255, 32.2616

Rectangle

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



52.2665, 78.1255, 98.7112



62.5807, 78.1255, 163.8532



101.6818, 78.1255, 72.7389



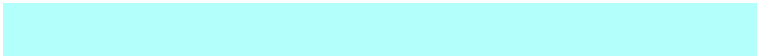
87.2998, 78.1255, 36.7216

Sweetspot

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



52.2676, 78.1261, 98.7127



71.8019, 88.0710, 105.2905



35.9638, 71.6238, 11.9888



14.8447, 18.5824, 22.4368



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.



52.2676, 78.1261, 98.7127



52.2292, 78.1077, 98.6456



27.6277, 26.3370, 98.2352



18.5220, 20.4683, 23.0519



27.3046, 40.8184, 51.6168



2.6678, 3.9781, 5.0747

Inverse Universe

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



41.3293, 21.3317, 2.2892



41.2952, 21.2821, 2.2208



47.4840, 33.7299, 4.0673



18.0385, 17.9987, 18.8198



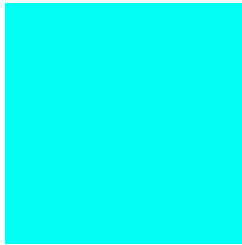
21.5902, 11.1254, 1.2266



2.1119, 1.0871, 0.1709

Previews

White Background



This preview shows how the XYZ color 52.2665, 78.1255, 98.7112 looks on a white background.

Color Contrast Check

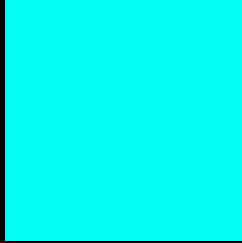
Large Text (above 18pt) WCAG AA × Fail

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 52.2665, 78.1255, 98.7112 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 52.2665, 78.1255, 98.7112

Background



This preview shows how black text looks on a background with the XYZ color 52.2665, 78.1255, 98.7112.

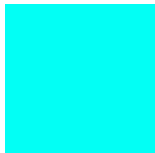


This preview shows how white text looks on a background with the XYZ color 52.2665, 78.1255,

Color Blindness Simulation

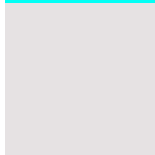
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



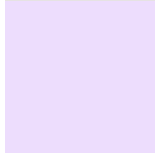
Original Color

52.2665, 78.1255, 98.7112



Protanopia

73.6946, 76.7618, 83.6054



Deuteranopia

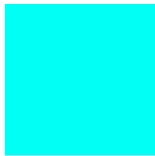
78.5111, 76.8093, 103.6162



Tritanopia

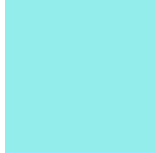
62.9390, 77.4966, 106.2488

Trichromacy



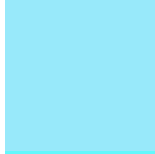
Original Color

52.2665, 78.1255, 98.7112



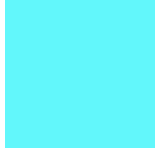
Protanomaly

57.1681, 72.7119, 88.8636



Deuteranomaly

59.3431, 71.8554, 101.1842



Tritanomaly

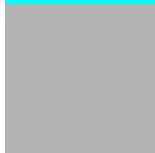
55.7104, 76.0832, 103.0161

Monochromacy



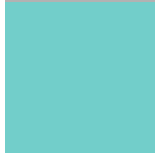
Original Color

52.2665, 78.1255, 98.7112



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.6714, 51.9843, 63.8202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2665, 78.1255, 98.7112 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, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 255, 245) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 52.2665, 78.1255, 98.7112 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, 255, 245) }
```


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

```
.border{ border-color:rgb(2, 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(2, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(2, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2665, 78.1255, 98.7112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 245) }
```

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

```
.background{ background-color: rgb(2, 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](#).

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