

Converting Colors

XYZ(52.4655, 78.3599, 92.7645)

Have a look what the booklet for
XYZ(52.4655, 78.3599, 92.7645)
contains.

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Color

**XYZ(52.4113, 78.3382,
92.4792)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFED
RGB	51, 255, 237
RGB Percent	20%, 100%, 93%
CMY	0.7999, 0.0000, 0.0706
CMYK	0.80, 0.00, 0.07, 0.00
HSL	175°, 100%, 60%
HSV	175°, 80%, 100%
XYZ	52.4113, 78.3382, 92.4792
YIQ	191.9520, -115.8060, -48.8460

Conversions

Conversions Part 2

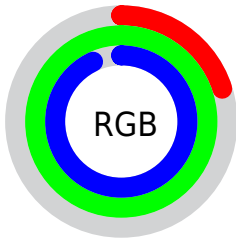
Format	Color
RYB	51, 158, 255
Decimal	3407853
CIELab	90.93, -50.91, -5.04
CIELCh	91, 51.157, 185.649
Yxy	78.3382, 0.2348, 0.3509
Android (android.graphics.Color)	4281597933 (0xFF33FFED)
YUV	191.9520, 22.2087, -123.6149
Hunter-Lab	88.5089, -49.1902, 0.0066

Details

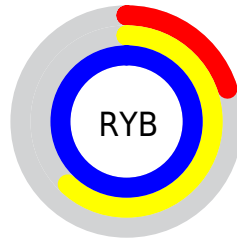
The XYZ color **52.4113, 78.3382, 92.4792** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.4992, 24.0589, 7.9837**, and the grayscale version is **50.0002, 52.6041, 57.2859**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **28.3067, 43.2687, 50.5758** is the 20% darker color. If you saturate the color by 10%, you get **51.1333, 77.7171, 90.7154**, and if you desaturate by 10%, it is **54.3989, 79.3246, 94.3006**.

Distribution



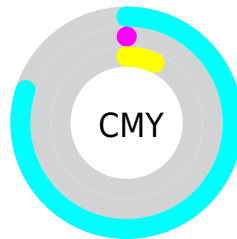
- Red (20%)
- Green (100%)
- Blue (93%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4113, 78.3382, 92.4792 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 52.4113, 78.3382, 92.4792 by changing the saturation by 10% instead.


 52.4113, 78.3382,
92.4792


 52.4113, 78.3382,
92.4792


386.3203,
489.3146, 556.8399


 37.5586, 58.3518,
69.4535


 92.9082, 131.0268,
152.7428


 25.8160, 42.0916,
50.6070


 119.2831,
164.4978, 190.8178

 16.8180, 29.1730,
35.5214

 150.2294,
203.2324, 234.7463

 10.1993, 19.2117,
23.7780

 186.1126,
247.6152, 284.9468

 5.5946, 11.8234,
14.9584

227.2979,
298.0304, 341.8378

 2.6385, 6.6235,
8.6439

274.1507,

 0.9656, 3.2278,

354.8624, 405.8380

4.4160

327.0364,
418.4957, 477.3658

■ 0.0000, 1.2518,
1.8562

■ 0.0000, 0.1034,
0.4647

■ 52.4113, 78.3382,
92.4792

■ 52.4113, 78.3382,
92.4792

■ 51.1333, 77.7171,
90.7154

■ 54.3989, 79.3246,
94.3006

■ 50.3971, 77.3749,
88.9969

■ 57.1936, 80.7266,
96.1800

■ 50.3967, 77.3747,
88.9959

■ 60.8809, 82.5883,
98.1228

■ 65.5347, 84.9478,
100.1326

71.2211, 87.8391,
102.2126

78.0004, 91.2933,
104.3657

85.9281, 95.3391,
106.5945

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.0786, 78.3382, 59.2431



52.4113, 78.3382, 92.4792



56.0746, 78.3382, 133.7315

Triad

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



52.4113, 78.3382, 92.4792



89.8622, 78.3382, 156.9795



85.1552, 78.3382, 35.5852

Complementary

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



52.4113, 78.3382, 92.4792



43.4992, 24.0589, 7.9837

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.



96.4754, 78.3382, 50.2466



52.4113, 78.3382, 92.4792



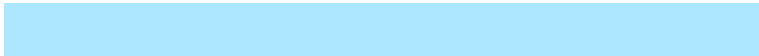
99.4052, 78.3382, 118.0494

Square

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



52.4113, 78.3382, 92.4792



76.9254, 78.3382, 177.2597



101.9548, 78.3382, 78.4966



72.0441, 78.3382, 32.3542

Rectangle

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



52.4113, 78.3382, 92.4792



61.3270, 78.3382, 158.3701



101.9548, 78.3382, 78.4966



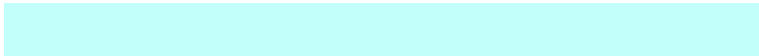
89.3414, 78.3382, 39.0808

Sweetspot

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



52.4124, 78.3388, 92.4807



75.1495, 89.8400, 103.4941



38.9869, 73.1145, 15.1915



15.5750, 18.9696, 21.9883



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.



52.4124, 78.3388, 92.4807



50.6530, 77.4919, 89.6789



34.4377, 37.9675, 100.1211



18.4817, 20.4522, 22.8394



26.3620, 40.4414, 46.6531



2.5862, 3.9454, 4.6449

Inverse Universe

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



43.4992, 24.0589, 7.9837



41.6087, 21.5846, 3.3255



50.1721, 38.1675, 7.8565



18.0744, 18.0131, 19.0091



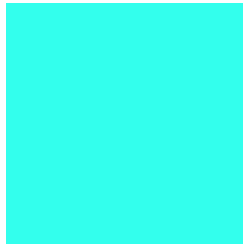
21.6490, 11.1489, 1.5361



2.1289, 1.0940, 0.2605

Previews

White Background



This preview shows how the XYZ color 52.4113, 78.3382, 92.4792 looks on a white background.

Color Contrast Check

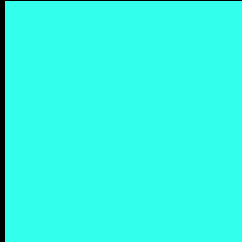
Large Text (above 18pt) WCAG AA × Fail

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 52.4113, 78.3382, 92.4792 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

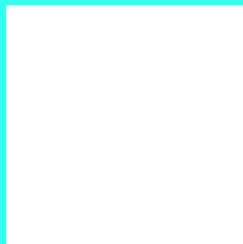
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.4113, 78.3382, 92.4792

Background



This preview shows how black text looks on a background with the XYZ color 52.4113, 78.3382, 92.4792.



This preview shows how white text looks on a background with the XYZ color 52.4113, 78.3382,

Color Blindness Simulation

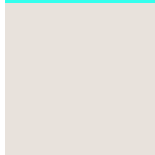
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



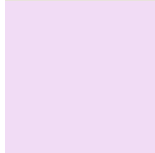
Original Color

52.4113, 78.3382, 92.4792



Protanopia

73.3933, 76.7158, 78.6495



Deuteranopia

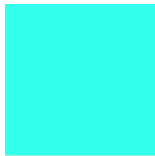
78.3503, 76.4797, 97.0188



Tritanopia

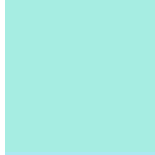
63.3197, 77.6928, 106.2667

Trichromacy



Original Color

52.4113, 78.3382, 92.4792



Protanomaly

59.7375, 74.1664, 83.1185



Deuteranomaly

62.1792, 73.4593, 94.9063



Tritanomaly

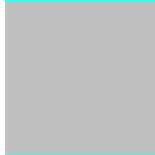
57.5402, 77.0807, 100.6523

Monochromacy



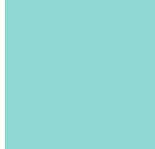
Original Color

52.4113, 78.3382, 92.4792



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.6701, 58.8177, 68.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4113, 78.3382, 92.4792 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(51, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 237)  
}
```

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(51, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 52.4113, 78.3382, 92.4792 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(51, 255, 237) }
```


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

```
.border{ border-color:rgb(51, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4113, 78.3382, 92.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 237) }
```

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

```
.background{ background-color: rgb(51, 255,  
237) }
```

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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