

Converting Colors

XYZ(62.9648, 100.0000,
86.7476)

Have a look what the booklet for
XYZ(62.9648, 100.0000, 86.7476)
contains.

XYZ(52.1162, 78.3977, 82.9065)	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(52.1162, 78.3977,
82.9065)**

Conversions

Conversions Part 1

Format	Color
Hex	4BFFE0
RGB	75, 255, 224
RGB Percent	29%, 100%, 88%
CMY	0.7058, 0.0000, 0.1216
CMYK	0.71, 0.00, 0.12, 0.00
HSL	170°, 100%, 65%
HSV	170°, 71%, 100%
XYZ	52.1162, 78.3977, 82.9065
YIQ	197.6460, -97.3290, -47.8010

Conversions

Conversions Part 2

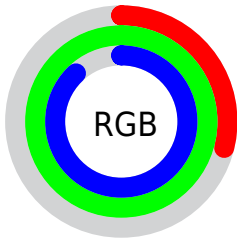
Format	Color
RYB	75, 173, 255
Decimal	4980704
CIELab	90.96, -51.80, 1.79
CIELCh	91, 51.827, 178.026
Yxy	78.3977, 0.2442, 0.3673
Android (android.graphics.Color)	4283170784 (0xFF4BFFE0)
YUV	197.6460, 12.9925, -107.5605
Hunter-Lab	88.5425, -49.8840, 6.4637

Details

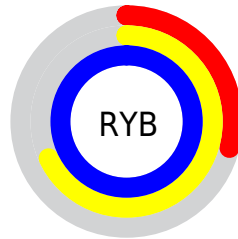
The XYZ color **52.1162, 78.3977, 82.9065** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.3585, 27.3341, 16.4701**, and the grayscale version is **53.4287, 56.2112, 61.2140**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **27.1277, 42.7971, 44.3670** is the 20% darker color. If you saturate the color by 10%, you get **49.9180, 77.3324, 79.7356**, and if you desaturate by 10%, it is **55.1303, 79.8817, 86.1986**.

Distribution



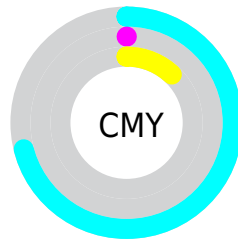
- Red (29%)
- Green (100%)
- Blue (88%)



- Red (29%)
- Yellow (68%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1162, 78.3977, 82.9065 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 52.1162, 78.3977, 82.9065 by changing the saturation by 10% instead.


 52.1162, 78.3977,
82.9065


 52.1162, 78.3977,
82.9065


385.2016,
489.5164, 524.6377

 37.3223, 58.4007,
61.5729


 92.4758, 131.1106,
139.2926


 25.6320, 42.1309,
44.2541


 118.7723,
164.5953, 175.1821

 16.6798, 29.2038,
30.5317


 149.6336,
203.3448, 216.7606

 10.1003, 19.2350,
19.9870

 185.4253,
247.7433, 264.4467

 5.5283, 11.8402,
12.2016

226.5125,
298.1753, 318.6589

 2.5984, 6.6350,
6.7569

273.2608,

 0.9451, 3.2349,

355.0253, 379.8158

3.2344

326.0354,
418.6775, 448.3359

■ 0.0000, 1.2556,
1.2155

■ 0.0000, 0.1064,
0.0000

■ 52.1162, 78.3977,
82.9065

■ 52.1162, 78.3977,
82.9065

■ 49.9180, 77.3324,
79.7356

■ 55.1303, 79.8817,
86.1986

■ 48.4308, 76.6318,
76.6763

■ 59.0427, 81.8272,
89.6123

■ 47.5284, 76.2274,
73.8916

■ 63.9290, 84.2728,
93.1531

■ 69.8557, 87.2530,
96.8246

■ 76.8834, 90.7990,
100.6303

■ 85.0681, 94.9396,
104.5734

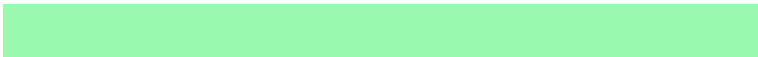
94.4621, 99.7017,
108.6568

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.



55.1660, 78.3977, 52.6420



52.1162, 78.3977, 82.9065



54.4606, 78.3977, 123.8393

Triad

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



52.1162, 78.3977, 82.9065



86.9568, 78.3977, 165.9539



88.6293, 78.3977, 37.7095

Complementary

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



52.1162, 78.3977, 82.9065



46.3585, 27.3341, 16.4701

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.



98.9711, 78.3977, 55.8148



52.1162, 78.3977, 82.9065



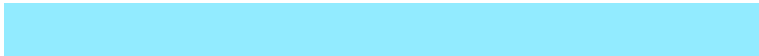
97.9288, 78.3977, 129.4242

Square

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



52.1162, 78.3977, 82.9065



73.6523, 78.3977, 179.3799



102.5561, 78.3977, 87.8650



75.3837, 78.3977, 31.7464

Rectangle

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



52.1162, 78.3977, 82.9065



58.9402, 78.3977, 150.8236



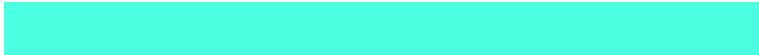
102.5561, 78.3977, 87.8650



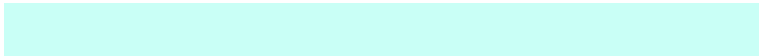
92.6161, 78.3977, 42.2575

Sweetspot

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



52.1171, 78.3981, 82.9079



76.5690, 90.6401, 100.4696



43.2155, 75.2167, 18.8987



15.9521, 19.1801, 21.2771



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.



52.1171, 78.3981, 82.9079



49.1805, 76.9816, 78.3713



41.1470, 49.1056, 101.9174



18.4126, 20.4246, 22.4760



24.8839, 39.8502, 38.8695



2.4567, 3.8936, 3.9627

Inverse Universe

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



46.3585, 27.3341, 16.4701



43.2310, 23.1782, 8.9562



50.7623, 38.2722, 11.3700



18.1370, 18.0381, 19.3387



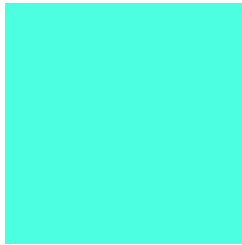
21.8224, 11.2183, 2.4494



2.1584, 1.1057, 0.4156

Previews

White Background



This preview shows how the XYZ color 52.1162, 78.3977, 82.9065 looks on a white background.

Color Contrast Check

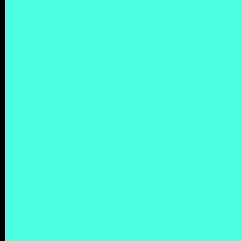
Large Text (above 18pt) WCAG AA × Fail

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 52.1162, 78.3977, 82.9065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

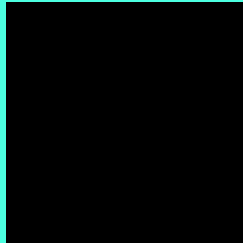
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

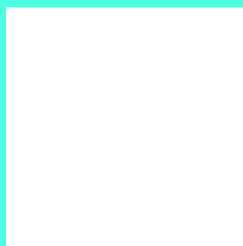
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1162, 78.3977, 82.9065

Background



This preview shows how black text looks on a background with the XYZ color 52.1162, 78.3977, 82.9065.



This preview shows how white text looks on a background with the XYZ color 52.1162, 78.3977,

Color Blindness Simulation

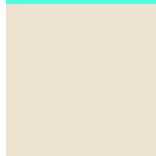
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



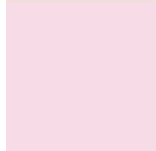
Original Color

52.1162, 78.3977, 82.9065



Protanopia

73.1736, 76.7796, 70.6378



Deuteranopia

78.5165, 76.7868, 87.0270



Tritanopia

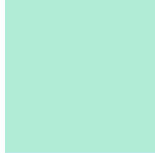
63.8034, 77.5015, 106.2042

Trichromacy



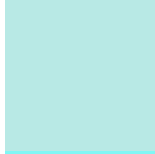
Original Color

52.1162, 78.3977, 82.9065



Protanomaly

60.5532, 74.7705, 74.8590



Deuteranomaly

63.0489, 74.1253, 85.1133



Tritanomaly

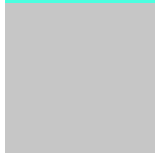
58.1870, 77.0324, 97.3899

Monochromacy



Original Color

52.1162, 78.3977, 82.9065



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.7309, 61.9403, 68.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1162, 78.3977, 82.9065 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(75, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(75, 255, 224)  
}
```

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(75, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 52.1162, 78.3977, 82.9065 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(75, 255, 224) }
```


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

```
.border{ border-color:rgb(75, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(75, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1162, 78.3977, 82.9065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 224) }
```

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

```
.background{ background-color: rgb(75, 255,  
224) }
```

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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