

# Converting Colors

XYZ(52.0793, 78.3504, 84.1787)

Have a look what the booklet for  
XYZ(52.0793, 78.3504, 84.1787)  
contains.

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# Color

**XYZ(52.0860, 78.3506,  
84.3295)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47FFE2
RGB	71, 255, 226
RGB Percent	28%, 100%, 89%
CMY	0.7215, 0.0000, 0.1137
CMYK	0.72, 0.00, 0.11, 0.00
HSL	171°, 100%, 64%
HSV	171°, 72%, 100%
XYZ	52.0860, 78.3506, 84.3295
YIQ	196.6780, -100.3550, -48.0270

# Conversions

## Conversions Part 2

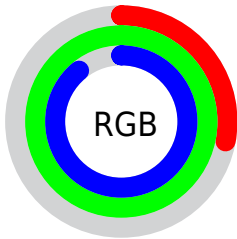
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">71, 171, 255</a>
Decimal	<a href="#">4718562</a>
CIELab	<a href="#">90.94, -51.78, 0.71</a>
CIELCh	<a href="#">91, 51.788, 179.215</a>
Yxy	<a href="#">78.3506, 0.2425, 0.3648</a>
Android (android.graphics.Color)	<a href="#">4282908642 (0xFF47FFE2)</a>
YUV	<a href="#">196.6780, 14.4557, -110.2196</a>
Hunter-Lab	<a href="#">88.5159, -49.8668, 5.4752</a>

# Details

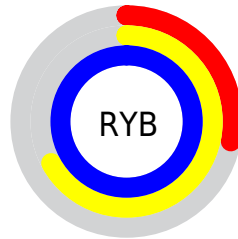
The XYZ color **52.0860, 78.3506, 84.3295** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **45.7944, 26.6879, 14.7961**, and the grayscale version is **52.8370, 55.5886, 60.5360**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **27.3169, 42.8728, 45.3636** is the 20% darker color. If you saturate the color by 10%, you get **50.0473, 77.3625, 81.3900**, and if you desaturate by 10%, it is **54.9235, 79.7489, 87.3766**.

# Distribution



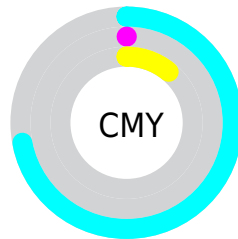
- Red (28%)
- Green (100%)
- Blue (89%)



- Red (28%)
- Yellow (67%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0860, 78.3506, 84.3295 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 52.0860, 78.3506, 84.3295 by changing the saturation by 10% instead.





 52.0860, 78.3506,  
84.3295


 52.0860, 78.3506,  
84.3295


385.0870,  
489.3567, 529.4934


 37.2982, 58.3620,  
62.7406


 92.4315, 131.0442,  
141.3018


 25.6132, 42.0998,  
45.1917


 118.7200,  
164.5181, 177.5223

 16.6656, 29.1794,  
31.2644


 149.5726,  
203.2558, 219.4570

 10.0902, 19.2166,  
20.5401

 185.3549,  
247.6419, 267.5246

 5.5215, 11.8269,  
12.6003

226.4321,  
298.0606, 322.1434

 2.5943, 6.6259,  
7.0264

273.1696,

 0.9430, 3.2293,

354.8964, 383.7321

3.3999

325.9328,  
418.5336, 452.7093

0.0000, 1.2526,  
1.3023

0.0000, 0.1040,  
0.0637

52.0860, 78.3506,  
84.3295

52.0860, 78.3506,  
84.3295

50.0473, 77.3625,  
81.3900

54.9235, 79.7489,  
87.3766

48.6989, 76.7289,  
78.5485

58.6444, 81.6011,  
90.5316

48.0014, 76.4166,  
76.3823

63.3254, 83.9467,  
93.8000

69.0343, 86.8208,  
97.1853

■ 75.8326, 90.2549,  
100.6908

■ 83.7768, 94.2782,  
104.3196

■ 92.9197, 98.9178,  
108.0747

■ 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.



54.9208, 78.3506, 53.5542



52.0860, 78.3506, 84.3295



54.6406, 78.3506, 125.4266

# Triad

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



52.0860, 78.3506, 84.3295



87.4051, 78.3506, 164.6887



88.0695, 78.3506, 37.2576

# Complementary

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



52.0860, 78.3506, 84.3295



45.7944, 26.6879, 14.7961

# 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.



98.5956, 78.3506, 54.8145



52.0860, 78.3506, 84.3295



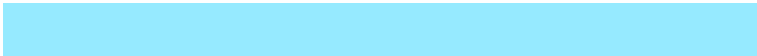
98.1815, 78.3506, 127.6450

# Square

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



52.0860, 78.3506, 84.3295



74.1266, 78.3506, 179.2655



102.4928, 78.3506, 86.2990



74.8143, 78.3506, 31.7294



# Rectangle

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



52.0860, 78.3506, 84.3295



59.2478, 78.3506, 152.1354



102.4928, 78.3506, 86.2990



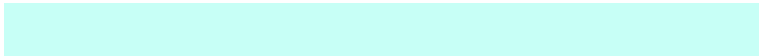
92.0986, 78.3506, 41.6364

# Sweetspot

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



52.0870, 78.3510, 84.3309



75.9455, 90.3120, 100.7454



42.3403, 74.7808, 18.1654



15.8361, 19.1184, 21.3575



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.



52.0870, 78.3510, 84.3309



49.3149, 77.0150, 80.0007



39.8676, 46.9967, 101.5778



18.4246, 20.4294, 22.5389



25.1279, 39.9478, 40.1544



2.4782, 3.9022, 4.0761



# Inverse Universe

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



45.7944, 26.6879, 14.7961



42.8349, 22.7748, 7.6256



50.6750, 38.3098, 10.6865



18.1261, 18.0337, 19.2811



21.7850, 11.2033, 2.2521

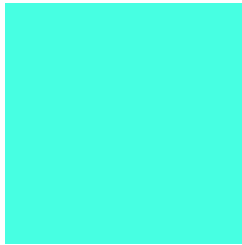


2.1532, 1.1036, 0.3881



# Previews

## White Background



This preview shows how the XYZ color 52.0860, 78.3506, 84.3295 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

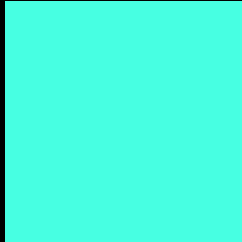
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0860, 78.3506, 84.3295 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

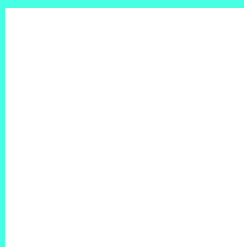
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.0860, 78.3506, 84.3295**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0860, 78.3506, 84.3295.



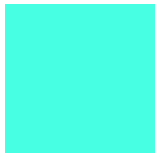
This preview shows how white text looks on a background with the XYZ color 52.0860, 78.3506,



# Color Blindness Simulation

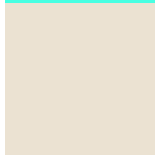
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



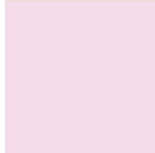
### Original Color

52.0860, 78.3506, 84.3295



### Protanopia

73.0902, 76.7080, 71.9266



### Deuteranopia

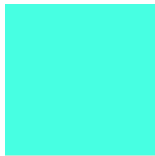
78.4505, 76.7197, 88.5155



## Tritanopia

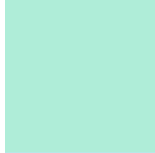
63.6058, 77.3997, 106.1950

# Trichromacy



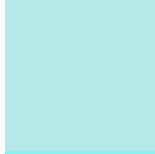
## Original Color

52.0860, 78.3506, 84.3295



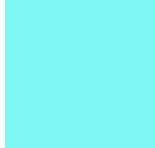
## Protanomaly

60.3581, 74.6402, 76.1915



## Deuteranomaly

62.8541, 73.9924, 86.5705



## Tritanomaly

57.8891, 76.8788, 97.3760

# Monochromacy



## Original Color

52.0860, 78.3506, 84.3295



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

49.2191, 61.2762, 68.9079

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0860, 78.3506, 84.3295 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(71, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 226)  
}
```

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(71, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0860, 78.3506, 84.3295 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(71, 255, 226) }
```



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

```
.border{ border-color:rgb(71, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0860, 78.3506, 84.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 226) }
```

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

```
.background{ background-color: rgb(71, 255,  
226) }
```

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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