

# Converting Colors

XYZ(52.1371, 78.3982, 83.4920)

Have a look what the booklet for  
XYZ(52.1371, 78.3982, 83.4920)  
contains.

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# Color

**XYZ(52.1746, 78.4121,  
83.6193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AFFE1
RGB	74, 255, 225
RGB Percent	29%, 100%, 88%
CMY	0.7098, 0.0000, 0.1176
CMYK	0.71, 0.00, 0.12, 0.00
HSL	170°, 100%, 65%
HSV	170°, 71%, 100%
XYZ	52.1746, 78.4121, 83.6193
YIQ	197.4610, -98.2460, -47.7020

# Conversions

## Conversions Part 2

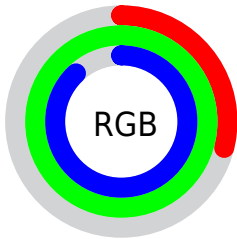
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">74, 173, 255</a>
Decimal	<a href="#">4915169</a>
CIELab	<a href="#">90.97, -51.67, 1.27</a>
CIElCh	<a href="#">91, 51.687, 178.587</a>
Yxy	<a href="#">78.4121, 0.2436, 0.3661</a>
Android (android.graphics.Color)	<a href="#">4283105249 (0xFF4AFFE1)</a>
YUV	<a href="#">197.4610, 13.5767, -108.2753</a>
Hunter-Lab	<a href="#">88.5506, -49.7902, 5.9972</a>

# Details

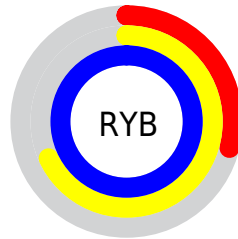
The XYZ color **52.1746, 78.4121, 83.6193** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.1883, 27.1583, 15.9060**, and the grayscale version is **53.3136, 56.0901, 61.0821**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **27.2220, 42.8348, 44.8634** is the 20% darker color. If you saturate the color by 10%, you get **50.0243, 77.3693, 80.5471**, and if you desaturate by 10%, it is **55.1361, 79.8713, 86.8067**.

# Distribution



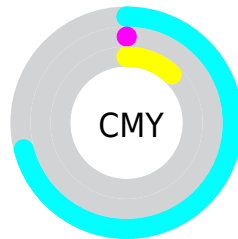
- Red (29%)
- Green (100%)
- Blue (88%)



- 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 52.1746, 78.4121, 83.6193 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 52.1746, 78.4121, 83.6193 by changing the saturation by 10% instead.





 52.1746, 78.4121,  
83.6193

 52.1746, 78.4121,  
83.6193


385.4232,  
489.5652, 527.0731


 37.3691, 58.4126,  
62.1576


 92.5614, 131.1309,  
140.2995

 25.6684, 42.1404,  
44.7234


 118.8734,  
164.6189, 176.3551

 16.7071, 29.2113,  
30.8983


 149.7516,  
203.3720, 218.1123

 10.1199, 19.2407,  
20.2636

 185.5614,  
247.7743, 265.9898

 5.5414, 11.8443,  
12.4008

226.6680,  
298.2104, 320.4061

 2.6063, 6.6378,  
6.8914

273.4370,

 0.9492, 3.2366,

355.0647, 381.7798

3.3169

326.2336,  
418.7215, 450.5292

0.0000, 1.2565,  
1.2586

0.0000, 0.1071,  
0.0275

52.1746, 78.4121,  
83.6193

52.1746, 78.4121,  
83.6193

50.0243, 77.3693,  
80.5471

55.1361, 79.8713,  
86.8067

48.5793, 76.6886,  
77.5805

58.9917, 81.7898,  
90.1097

47.7367, 76.3107,  
74.9884

63.8172, 84.2067,  
93.5336

69.6795, 87.1563,  
97.0821

■ 76.6394, 90.6701,  
100.7585

■ 84.7531, 94.7770,  
104.5660

■ 94.0728, 99.5039,  
108.5075

■ 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.



55.1187, 78.4121, 53.1627



52.1746, 78.4121, 83.6193



54.6147, 78.4121, 124.5368

# Triad

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



52.1746, 78.4121, 83.6193



87.1763, 78.4121, 165.1939



88.3703, 78.4121, 37.6000

# Complementary

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



52.1746, 78.4121, 83.6193



46.1883, 27.1583, 15.9060

# 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.



98.7750, 78.4121, 55.4301



52.1746, 78.4121, 83.6193



98.0310, 78.4121, 128.5225

# Square

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



52.1746, 78.4121, 83.6193



73.9119, 78.4121, 179.1219



102.4983, 78.4121, 87.1601



75.1482, 78.4121, 31.8441



# Rectangle

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



52.1746, 78.4121, 83.6193



59.1476, 78.4121, 151.3195



102.4983, 78.4121, 87.1601



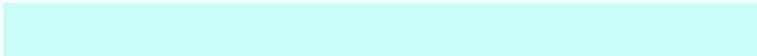
92.3680, 78.4121, 42.0654

# Sweetspot

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



52.1755, 78.4125, 83.6207



76.6222, 90.6614, 100.7500



42.7254, 74.9680, 18.6984



15.9649, 19.1853, 21.3446



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.



52.1755, 78.4125, 83.6207



49.3647, 77.0553, 79.3411



40.3158, 47.5584, 101.6626



18.4179, 20.4267, 22.5039



24.9914, 39.8931, 39.4354



2.4662, 3.8974, 4.0127



# Inverse Universe

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



46.1883, 27.1583, 15.9060



43.1831, 23.1590, 8.7036



51.0483, 38.8985, 11.2976



18.1322, 18.0362, 19.3132



21.8054, 11.2115, 2.3599

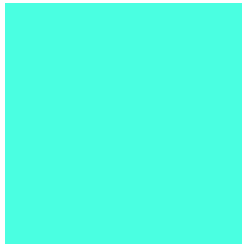


2.1561, 1.1048, 0.4032



# Previews

## White Background



This preview shows how the XYZ color 52.1746, 78.4121, 83.6193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

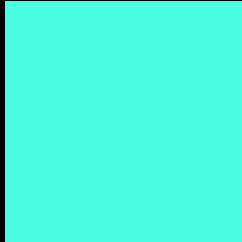
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1746, 78.4121, 83.6193 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

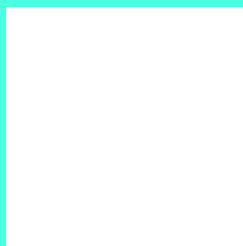
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.1746, 78.4121, 83.6193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1746, 78.4121, 83.6193.



This preview shows how white text looks on a background with the XYZ color 52.1746, 78.4121,



# Color Blindness Simulation

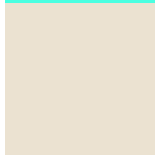
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



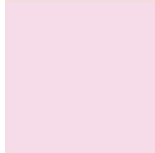
### Original Color

52.1746, 78.4121, 83.6193



### Protanopia

72.9659, 76.6583, 71.2724



### Deuteranopia

78.3072, 76.6624, 87.7609



## Tritanopia

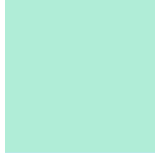
63.8034, 77.5015, 106.2042

# Trichromacy



## Original Color

52.1746, 78.4121, 83.6193



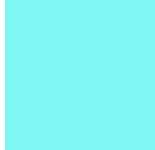
## Protanomaly

60.4544, 74.7048, 75.5232



## Deuteranomaly

62.9503, 74.0583, 85.8398



## Tritanomaly

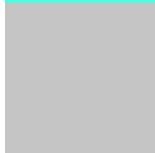
58.1870, 77.0324, 97.3899

# Monochromacy



## Original Color

52.1746, 78.4121, 83.6193



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

49.2828, 61.3232, 68.2706

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1746, 78.4121, 83.6193 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(74, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 225)  
}
```

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(74, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1746, 78.4121, 83.6193 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(74, 255, 225) }
```



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

```
.border{ border-color:rgb(74, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1746, 78.4121, 83.6193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 225) }
```

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

```
.background{ background-color: rgb(74, 255,  
225) }
```

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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