

# Converting Colors

XYZ(52.0948, 75.9451, 82.9576)

Have a look what the booklet for  
XYZ(52.0948, 75.9451, 82.9576)  
contains.

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# Color

**XYZ(52.1898, 76.0828,  
83.1689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CFAE1
RGB	92, 250, 225
RGB Percent	36%, 98%, 88%
CMY	0.6392, 0.0196, 0.1176
CMYK	0.63, 0.00, 0.10, 0.02
HSL	171°, 94%, 67%
HSV	171°, 63%, 98%
XYZ	52.1898, 76.0828, 83.1689
YIQ	199.9080, -86.1430, -41.2710

# Conversions

## Conversions Part 2

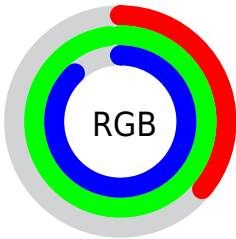
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">92, 178, 250</a>
Decimal	<a href="#">6093537</a>
CIELab	<a href="#">89.90, -47.02, -0.24</a>
CIELCh	<a href="#">90, 47.021, 180.293</a>
Yxy	<a href="#">76.0828, 0.2468, 0.3598</a>
Android (android.graphics.Color)	<a href="#">4284283617 (0xFF5CFAE1)</a>
YUV	<a href="#">199.9080, 12.3704, -94.6353</a>
Hunter-Lab	<a href="#">87.2255, -45.8422, 4.5252</a>

# Details

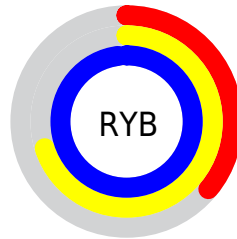
The XYZ color **52.1898, 76.0828, 83.1689** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **46.4649, 29.2646, 20.0319**, and the grayscale version is **54.8095, 57.6638, 62.7959**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **26.3257, 41.0422, 44.5646** is the 20% darker color. If you saturate the color by 10%, you get **49.5592, 74.7902, 80.2624**, and if you desaturate by 10%, it is **55.6609, 77.8109, 86.1834**.

# Distribution



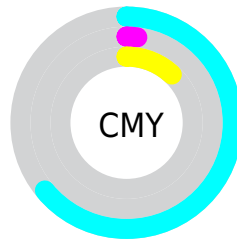
- Red (36%)
- Green (98%)
- Blue (88%)



- Red (36%)
- Yellow (70%)
- Blue (98%)



- Cyan (63%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)




- Cyan (64%)
- Magenta (2%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1898, 76.0828, 83.1689 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 52.1898, 76.0828, 83.1689 by changing the saturation by 10% instead.





 52.1898, 76.0828,  
83.1689


 52.1898, 76.0828,  
83.1689

385.4808,  
481.6311, 525.5350


 37.3813, 56.5004,  
61.7881


 92.5837, 127.8439,  
139.6633


 25.6779, 40.6043,  
44.4268


 118.8997,  
160.7915, 175.6140

 16.7142, 28.0100,  
30.6665


 149.7823,  
198.9629, 217.2584

 10.1250, 18.3332,  
20.0887

 185.5968,  
242.7425, 265.0151

 5.5448, 11.1895,  
12.2748

226.7085,  
292.5147, 319.3025

 2.6083, 6.1944,  
6.8063

273.4829,

 0.9502, 2.9637,

348.6639, 380.5393

3.2647

326.2852,  
411.5746, 449.1439

0.0000, 1.1128,  
1.2313

0.0000, 0.0000,  
0.0045

52.1898, 76.0828,  
83.1689

52.1898, 76.0828,  
83.1689

49.5592, 74.7902,  
80.2624

55.6609, 77.8109,  
86.1834

47.6780, 73.8805,  
77.4542


60.0391, 80.0035,  
89.3044


46.4453, 73.3039,  
74.7407


65.3919, 82.6969,  
92.5371


45.8750, 73.0490,  
72.9442

71.7783, 85.9218,  
95.8847

 79.2528, 89.7060,  
99.3503

 87.8659, 94.0758,  
102.9366

 93.1080, 96.7062,  
106.4329

 93.4769, 96.8538,  
108.3756

# Harmonies

## Analogous

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



54.5886, 76.0828, 54.9994



52.1898, 76.0828, 83.1689



54.6834, 76.0828, 119.5011

# Triad

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



52.1898, 76.0828, 83.1689



84.1831, 76.0828, 151.3047



83.9643, 76.0828, 38.7580

# Complementary

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



52.1898, 76.0828, 83.1689



46.4649, 29.2646, 20.0319

# 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.



93.3782, 76.0828, 54.5692



52.1898, 76.0828, 83.1689



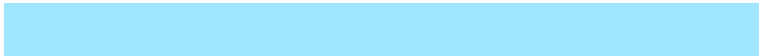
93.5137, 76.0828, 118.7789

# Square

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



52.1898, 76.0828, 83.1689



72.4287, 76.0828, 164.7404



97.0432, 76.0828, 82.5144



72.2002, 76.0828, 33.9067



# Rectangle

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



52.1898, 76.0828, 83.1689



58.9562, 76.0828, 142.4796



97.0432, 76.0828, 82.5144



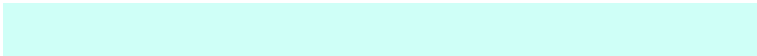
87.5519, 76.0828, 42.7137

# Sweetspot

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



52.1920, 76.0857, 83.1707



78.2065, 91.4567, 101.7964



43.6363, 73.0219, 21.9214



16.2764, 19.3412, 21.5682



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.



52.1920, 76.0857, 83.1707



51.1965, 77.9183, 83.0989



41.7133, 49.2642, 97.7563



17.6409, 19.5586, 21.5754



24.3772, 38.7639, 38.9252



2.2884, 3.6025, 3.7666



# Inverse Universe

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



46.4649, 29.2646, 20.0319



44.8454, 25.3893, 12.6319



51.4332, 41.2483, 15.3775



17.3566, 17.2700, 18.4675



21.1445, 10.8735, 2.2033

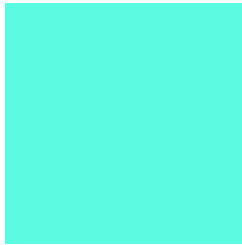


1.9899, 1.0197, 0.3700



# Previews

## White Background



This preview shows how the XYZ color 52.1898, 76.0828, 83.1689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

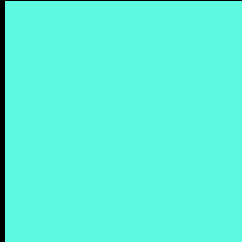
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1898, 76.0828, 83.1689 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

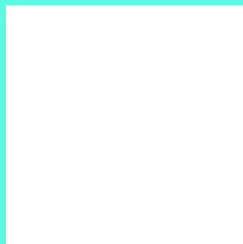
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.1898, 76.0828, 83.1689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1898, 76.0828, 83.1689.



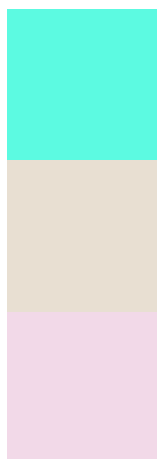
This preview shows how white text looks on a background with the XYZ color 52.1898, 76.0828,



# 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

52.1898, 76.0828, 83.1689

### Protanopia

71.2992, 74.5843, 71.6111

### Deuteranopia

75.9963, 74.3291, 86.6855



## Tritanopia

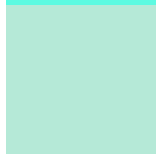
61.4228, 75.8361, 106.0082

# Trichromacy



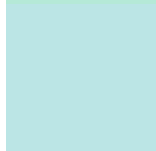
## Original Color

52.1898, 76.0828, 83.1689



## Protanomaly

60.4607, 73.0079, 75.1953



## Deuteranomaly

62.6557, 72.2606, 84.7741



## Tritanomaly

57.5819, 75.8222, 97.1882

# Monochromacy



## Original Color

52.1898, 76.0828, 83.1689



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

51.2780, 62.3233, 69.6486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1898, 76.0828, 83.1689 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(92, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(92, 250, 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(92, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 250, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1898, 76.0828, 83.1689 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(92, 250, 225) }
```



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

```
.border{ border-color:rgb(92, 250, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 250, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(92, 250,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1898, 76.0828, 83.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 250, 225) }
```

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

```
.background{ background-color: rgb(92, 250,  
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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