

# Converting Colors

XYZ(35.5863, 46.2081, 57.1892)

Have a look what the booklet for  
XYZ(35.5863, 46.2081, 57.1892)  
contains.

<b>XYZ(35.5851, 46.2155, 56.9141)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.5851, 46.2155,  
56.9141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC3C0
RGB	111, 195, 192
RGB Percent	44%, 76%, 75%
CMY	0.5647, 0.2353, 0.2471
CMYK	0.43, 0.00, 0.02, 0.24
HSL	178°, 41%, 60%
HSV	178°, 43%, 76%
XYZ	35.5851, 46.2155, 56.9141
YIQ	169.5420, -49.1010, -18.7410

# Conversions

## Conversions Part 2

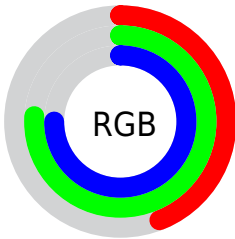
Format	Color
<b>RYB</b>	111, 154, 195
Decimal	7324608
CIELab	73.69, -26.21, -6.48
CIELCh	74, 26.994, 193.886
Yxy	46.2155, 0.2565, 0.3332
Android (android.graphics.Color)	4285514688 (0xFF6FC3C0)
YUV	169.5420, 11.0718, -51.3413
Hunter-Lab	67.9820, -25.5328, -2.0498

# Details

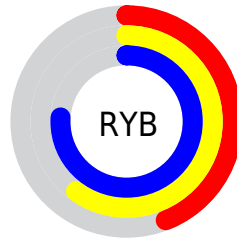
The XYZ color **35.5851, 46.2155, 56.9141** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.2290, 24.1873, 18.9440**, and the grayscale version is **37.9460, 39.9222, 43.4753**.

A 20% lighter version of the original color is **67.6900, 84.6136, 101.5714**, and **15.7064, 21.6981, 27.7864** is the 20% darker color. If you saturate the color by 10%, you get **33.3176, 45.0566, 56.4068**, and if you desaturate by 10%, it is **38.3913, 47.6543, 57.4505**.

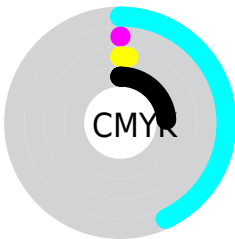
# Distribution



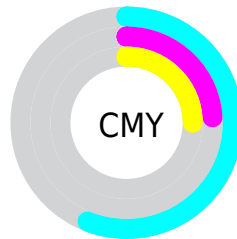
- Red (44%)
- Green (76%)
- Blue (75%)



- Red (44%)
- Yellow (60%)
- Blue (76%)



- Cyan (43%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)




- Cyan (56%)
- Magenta (24%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5851, 46.2155, 56.9141 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 35.5851, 46.2155, 56.9141 by changing the saturation by 10% instead.





 35.5851, 46.2155,  
56.9141


 35.5851, 46.2155,  
56.9141


318.6064,  
371.6744, 430.6121


 24.2826, 32.4159,  
40.5274


 67.7193, 84.5414,  
101.8389

 15.6692, 21.6794,  
27.6331


 89.2816, 109.8365,  
131.2141

 9.3797, 13.6215,  
17.8126


 114.9946,  
139.7323, 165.7559

 5.0488, 7.8579,  
10.6475

145.2235,  
174.6131, 205.8827

 2.3110, 4.0041,  
5.7191

180.3338,  
214.8633, 252.0132

 0.8003, 1.6759,  
2.6091

220.6908,

 0.0000, 0.4080,

260.8673, 304.5659

0.8971

266.6599,  
313.0095, 363.9594

■ 0.0000, 0.0000,  
0.0000

■ 35.5851, 46.2155,  
56.9141

■ 35.5851, 46.2155,  
56.9141

■ 33.3176, 45.0566,  
56.4068

■ 38.3913, 47.6543,  
57.4505

■ 31.5494, 44.1539,  
55.9238

■ 41.7642, 49.3841,  
58.0144

■ 30.2425, 43.4890,  
55.4642


■ 45.7345, 51.4219,  
58.6081


■ 29.3517, 43.0385,  
55.0261


■ 50.3299, 53.7818,  
59.2330


■ 28.8223, 42.7743,  
54.6067


■ 55.5760, 56.4772,  
59.8903

 28.5967, 42.6640,  
54.3241

 61.4973, 59.5205,  
60.5811

 68.1167, 62.9237,  
61.3065

 70.9001, 64.3494,  
61.8543

 70.9805, 64.3816,  
62.2775

# Harmonies

## Analogous

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



35.6657, 46.2155, 43.3547



35.5851, 46.2155, 56.9141



37.6224, 46.2155, 70.8903

# Triad

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



35.5851, 46.2155, 56.9141



50.6194, 46.2155, 71.8051



46.5304, 46.2155, 29.0110

# Complementary

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



35.5851, 46.2155, 56.9141



31.2290, 24.1873, 18.9440

# 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.



50.8981, 46.2155, 34.1732



35.5851, 46.2155, 56.9141



53.3734, 46.2155, 57.9958

# Square

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



35.5851, 46.2155, 56.9141



46.1720, 46.2155, 80.4857



53.4790, 46.2155, 44.2575



41.7549, 46.2155, 28.8276



# Rectangle

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



35.5851, 46.2155, 56.9141



39.9992, 46.2155, 77.8880



53.4790, 46.2155, 44.2575



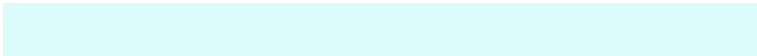
48.1027, 46.2155, 30.1725

# Sweetspot

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



35.5865, 46.2173, 56.9152



81.8120, 92.0445, 104.9504



29.4824, 43.8382, 21.9478



17.5454, 19.9666, 22.9297



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.



35.5865, 46.2173, 56.9152



59.7676, 80.7438, 101.0456



28.4982, 31.5029, 56.2104



10.3525, 11.4220, 12.8595



18.5925, 27.7311, 35.3428



0.8083, 1.2002, 1.5531



# Inverse Universe

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



31.2290, 24.1873, 18.9440



50.9242, 36.0001, 23.9586



36.0924, 34.1831, 19.7357



10.0875, 10.0836, 10.5511



14.6590, 7.5533, 0.8502

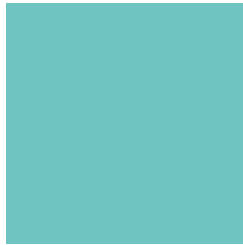


0.6385, 0.3284, 0.0638



# Previews

## White Background



This preview shows how the XYZ color 35.5851, 46.2155, 56.9141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

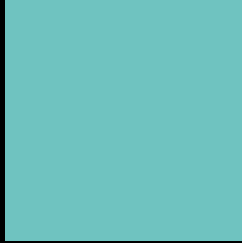
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.5851, 46.2155, 56.9141 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 35.5851, 46.2155, 56.9141**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.5851, 46.2155, 56.9141.



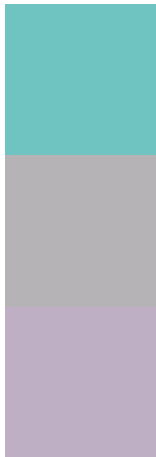
This preview shows how white text looks on a background with the XYZ color 35.5851, 46.2155,



# 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

35.5851, 46.2155, 56.9141

### Protanopia

43.9587, 45.6042, 51.2854

### Deuteranopia

46.5290, 45.5926, 58.5725



## Tritanopia

37.6576, 46.4070, 66.6472

# Trichromacy



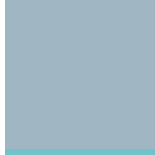
## Original Color

35.5851, 46.2155, 56.9141



## Protanomaly

39.9222, 45.3110, 53.0962



## Deuteranomaly

41.2762, 44.9731, 58.1349



## Tritanomaly

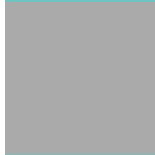
36.8919, 46.4252, 62.8937

# Monochromacy



## Original Color

35.5851, 46.2155, 56.9141



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

36.5504, 41.8441, 48.2698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5851, 46.2155, 56.9141 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(111, 195, 192)` looks like.

```
.text, #text, p{  
    color:rgb(111, 195, 192)  
}
```

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(111, 195, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 195, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5851, 46.2155, 56.9141 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(111, 195, 192) }
```



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

```
.border{ border-color:rgb(111, 195, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 195, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 195, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 195, 192);  
box-shadow:4px 4px 4px 4px rgb(111, 195,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5851, 46.2155, 56.9141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 195, 192) }
```

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

```
.background{ background-color: rgb(111,  
195, 192) }
```

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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