

Converting Colors

XYZ(33.6033, 50.5023, 38.7397)

Have a look what the booklet for
XYZ(33.6033, 50.5023, 38.7397)
contains.

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Color

**XYZ(33.5630, 50.4754,
38.5456)**

Conversions

Conversions Part 1

Format	Color
Hex	61D19A
RGB	97, 209, 154
RGB Percent	38%, 82%, 60%
CMY	0.6196, 0.1804, 0.3961
CMYK	0.54, 0.00, 0.26, 0.18
HSL	151°, 55%, 60%
HSV	151°, 54%, 82%
XYZ	33.5630, 50.4754, 38.5456
YIQ	169.2420, -49.0970, -40.8490

Conversions

Conversions Part 2

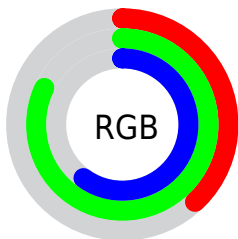
Format	Color
RYB	97, 171, 209
Decimal	6410650
CIELab	76.36, -44.70, 17.76
CIELCh	76, 48.094, 158.330
Yxy	50.4754, 0.2738, 0.4118
Android (android.graphics.Color)	4284600730 (0xFF61D19A)
YUV	169.2420, -7.5143, -63.3562
Hunter-Lab	71.0460, -40.0050, 17.5648

Details

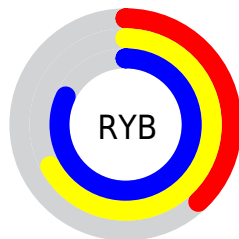
The XYZ color **33.5630, 50.4754, 38.5456** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.2384, 24.3730, 32.5023**, and the grayscale version is **37.8865, 39.8596, 43.4071**.

A 20% lighter version of the original color is **60.7862, 83.0920, 73.1562**, and **14.5689, 24.3818, 16.7703** is the 20% darker color. If you saturate the color by 10%, you get **30.8041, 49.1491, 34.1439**, and if you desaturate by 10%, it is **36.9843, 52.1375, 43.3622**.

Distribution



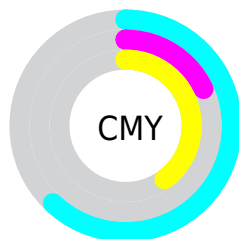
- Red (38%)
- Green (82%)
- Blue (60%)



- Red (38%)
- Yellow (67%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5630, 50.4754, 38.5456 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 33.5630, 50.4754, 38.5456 by changing the saturation by 10% instead.

 33.5630, 50.4754,
38.5456


 33.5630, 50.4754,
38.5456


309.7994,
388.5221, 355.3228

 22.7194, 35.7913,
26.1013


 64.6023, 90.8789,
74.1563


 14.5060, 24.2730,
16.6730


 85.5288, 117.3670,
98.1598

 8.5575, 15.5363,
9.8421


 110.5468,
148.5586, 126.8534

 4.5085, 9.1966,
5.1902

 140.0219,
184.8380, 160.6558

 1.9936, 4.8697,
2.2986

174.3194,
226.5897, 199.9853

 0.6304, 2.1710,
0.7304

213.8045,

 0.0000, 0.7041,

274.1980, 245.2607

0.0000

258.8427,
328.0474, 296.9003

■ 0.0000, 0.0000,
0.0000

■ 33.5630, 50.4754,
38.5456

■ 33.5630, 50.4754,
38.5456

■ 30.8041, 49.1491,
34.1439

■ 36.9843, 52.1375,
43.3622

■ 28.6545, 48.1273,
30.1417

■ 41.1078, 54.1515,
48.6013

■ 27.0594, 47.3833,
26.5277

■ 45.9747, 56.5399,
54.2749

■ 25.9509, 46.8824,
23.2884

■ 51.6216, 59.3215,
60.3932

■ 25.4219, 46.6510,
21.4001

■ 58.0830, 62.5136,
66.9661

65.3909, 66.1328,
74.0032

73.5758, 70.1945,
81.5139

79.1981, 72.9254,
89.3446

80.7338, 73.5397,
97.4316

Harmonies

Analogous

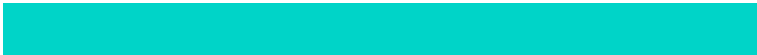
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.9796, 50.4754, 24.4201



33.5630, 50.4754, 38.5456



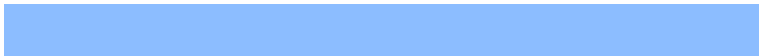
32.7458, 50.4754, 62.4934

Triad

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



33.5630, 50.4754, 38.5456



50.5386, 50.4754, 120.4208



62.9485, 50.4754, 29.4996

Complementary

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



33.5630, 50.4754, 38.5456



36.2384, 24.3730, 32.5023

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.



67.3178, 50.4754, 48.0562



33.5630, 50.4754, 38.5456



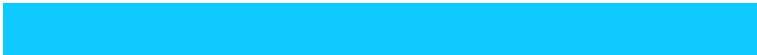
59.5869, 50.4754, 104.0079

Square

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



33.5630, 50.4754, 38.5456



41.8369, 50.4754, 115.4401



66.0160, 50.4754, 75.4741



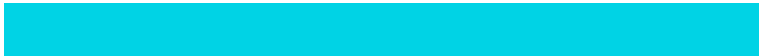
54.6866, 50.4754, 20.4557

Rectangle

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



33.5630, 50.4754, 38.5456



34.2402, 50.4754, 82.1384



66.0160, 50.4754, 75.4741



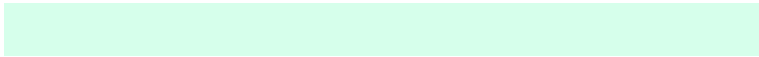
64.9655, 50.4754, 34.5535

Sweetspot

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



33.5643, 50.4774, 38.5468



78.5401, 91.8423, 92.1576



38.0967, 53.2385, 19.5782



16.4086, 19.4598, 19.2936



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.



33.5643, 50.4774, 38.5468



47.8773, 76.8745, 52.7976



39.2405, 52.7479, 68.4372



11.9038, 13.3053, 13.8496



15.7237, 28.7824, 13.4573



0.9192, 1.6253, 0.9633

Inverse Universe

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



36.2384, 24.3730, 32.5023



52.4910, 31.8561, 42.3843



32.7283, 22.9689, 14.0185



12.0472, 11.9036, 13.5246



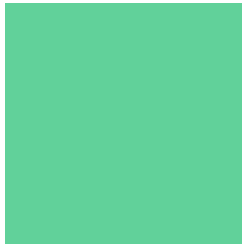
17.7602, 8.9769, 8.9095



1.0331, 0.5180, 0.7090

Previews

White Background



This preview shows how the XYZ color 33.5630, 50.4754, 38.5456 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 33.5630, 50.4754, 38.5456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

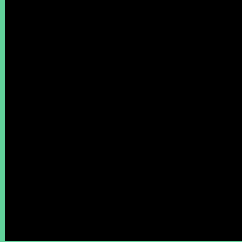
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5630, 50.4754, 38.5456

Background



This preview shows how black text looks on a background with the XYZ color 33.5630, 50.4754, 38.5456.

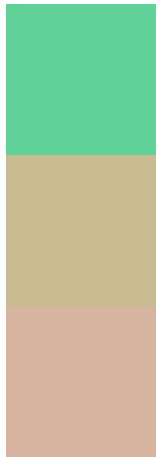


This preview shows how white text looks on a background with the XYZ color 33.5630, 50.4754,

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

33.5630, 50.4754, 38.5456

Protanopia

46.6238, 49.8336, 33.5471

Deuteranopia

50.6908, 49.6277, 40.1651



Tritanopia

40.4813, 50.4279, 73.2456

Trichromacy



Original Color

33.5630, 50.4754, 38.5456



Protanomaly

39.9647, 48.9549, 35.3598



Deuteranomaly

41.8156, 48.5009, 39.5054



Tritanomaly

37.5148, 50.2689, 58.7646

Monochromacy



Original Color

33.5630, 50.4754, 38.5456



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.1690, 42.8010, 41.5298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5630, 50.4754, 38.5456 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(97, 209, 154)` looks like.

```
.text, #text, p{  
    color:rgb(97, 209, 154)  
}
```

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(97, 209, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 209, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.5630, 50.4754, 38.5456 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(97, 209, 154) }
```


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

```
.border{ border-color:rgb(97, 209, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 209, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 209, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 209, 154);  
box-shadow:4px 4px 4px 4px rgb(97, 209,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5630, 50.4754, 38.5456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 209, 154) }
```

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

```
.background{ background-color: rgb(97, 209,  
154) }
```

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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