

Converting Colors

XYZ(30.9543, 42.3361, 55.4740)

Have a look what the booklet for
XYZ(30.9543, 42.3361, 55.4740)
contains.

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Color

**XYZ(30.8496, 42.1643,
55.2278)**

Conversions

Conversions Part 1

Format	Color
Hex	4EBEBE
RGB	78, 190, 190
RGB Percent	31%, 75%, 75%
CMY	0.6941, 0.2549, 0.2549
CMYK	0.59, 0.00, 0.00, 0.25
HSL	180°, 46%, 53%
HSV	180°, 59%, 75%
XYZ	30.8496, 42.1643, 55.2278
YIQ	156.5120, -66.7520, -23.7440

Conversions

Conversions Part 2

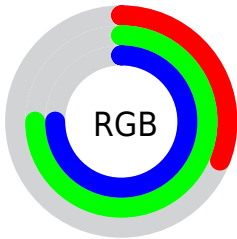
Format	Color
RYB	78, 134, 190
Decimal	5160638
CIELab	70.98, -31.31, -9.53
CIELCh	71, 32.732, 196.923
Yxy	42.1643, 0.2406, 0.3288
Android (android.graphics.Color)	4283350718 (0xFF4EBEBE)
YUV	156.5120, 16.5096, -68.8550
Hunter-Lab	64.9340, -28.8308, -4.9736

Details

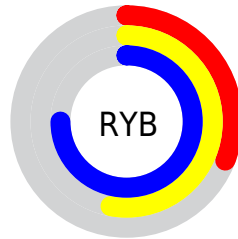
The XYZ color **30.8496, 42.1643, 55.2278** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.3362, 16.9473, 9.1449**, and the grayscale version is **31.7798, 33.4349, 36.4106**.

A 20% lighter version of the original color is **60.3765, 78.5786, 99.1738**, and **13.3195, 19.4145, 26.7123** is the 20% darker color. If you saturate the color by 10%, you get **29.5124, 41.4759, 55.1660**, and if you desaturate by 10%, it is **32.6389, 43.0877, 55.3126**.

Distribution



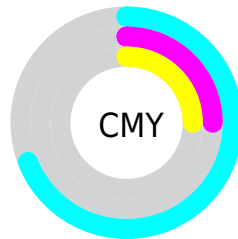
- Red (31%)
- Green (75%)
- Blue (75%)



- Red (31%)
- Yellow (53%)
- Blue (75%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (69%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8496, 42.1643, 55.2278 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 30.8496, 42.1643, 55.2278 by changing the saturation by 10% instead.

■ 30.8496, 42.1643,
55.2278

■ 30.8496, 42.1643,
55.2278

297.6841,
355.1636, 424.0811

■ 20.6356, 29.2300,
39.1843

■ 60.3807, 78.4482,
99.3491

■ 12.9688, 19.2549,
26.5942

■ 80.4284, 102.5666,
128.2641

■ 7.4840, 11.8546,
17.0390

■ 104.4849,
131.1818, 162.3065

■ 3.8156, 6.6447,
10.1000

■ 132.9153,
164.6782, 201.8951

■ 1.5983, 3.2409,
5.3588

166.0851,
203.4401, 247.4483

■ 0.3913, 1.2588,
2.3969

204.3596,

■ 0.0000, 0.1089,

247.8521, 299.3847

0.7848

248.1041,
298.2984, 358.1228

■ 0.0000, 0.0000,
0.0000

■ 30.8496, 42.1643,
55.2278

■ 30.8496, 42.1643,
55.2278

■ 29.5124, 41.4759,
55.1660

■ 32.6389, 43.0877,
55.3126

■ 28.5837, 40.9972,
55.1224

■ 34.9119, 44.2594,
55.4192

■ 28.0178, 40.7054,
55.0957

■ 37.7013, 45.6974,
55.5499

■ 27.7335, 40.5589,
55.0823

■ 41.0364, 47.4167,
55.7061

■ 27.7084, 40.5459,
55.0811

■ 44.9438, 49.4311,
55.8891

■ 49.4488, 51.7535,
56.1001

■ 54.5749, 54.3961,
56.3402

■ 60.3445, 57.3704,
56.6103

■ 66.7787, 60.6874,
56.9116

Harmonies

Analogous

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



30.6967, 42.1643, 39.4388



30.8496, 42.1643, 55.2278



33.3262, 42.1643, 71.5536

Triad

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



30.8496, 42.1643, 55.2278



48.2421, 42.1643, 69.6526



42.4979, 42.1643, 22.4128

Complementary

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



30.8496, 42.1643, 55.2278



25.3362, 16.9473, 9.1449

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.



47.6805, 42.1643, 27.2670



30.8496, 42.1643, 55.2278



51.1940, 42.1643, 53.0524

Square

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



30.8496, 42.1643, 55.2278



43.2096, 42.1643, 81.0912



50.9796, 42.1643, 37.7036



37.0975, 42.1643, 22.7382

Rectangle

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



30.8496, 42.1643, 55.2278



36.1010, 42.1643, 79.4892



50.9796, 42.1643, 37.7036



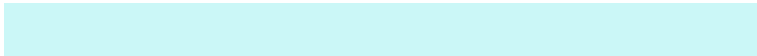
44.3324, 42.1643, 23.4361

Sweetspot

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



30.8509, 42.1659, 55.2288



74.7919, 86.1450, 100.9643



23.0869, 39.0783, 13.5349



16.0048, 18.7007, 22.1512



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8509, 42.1659, 55.2288



52.8626, 74.8401, 99.9365



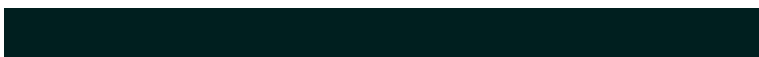
21.2229, 22.9098, 52.0204



9.8086, 10.8096, 12.2417



18.4239, 26.9598, 36.6246



0.7217, 1.0560, 1.4346

Inverse Universe

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



25.3362, 16.9473, 9.1449



41.9424, 24.9024, 8.6815



30.8813, 28.0376, 10.9930



9.5302, 9.5364, 9.9151



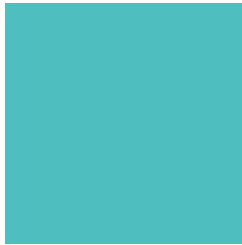
14.1202, 7.2793, 0.6609



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 30.8496, 42.1643, 55.2278 looks on a white background.

Color Contrast Check

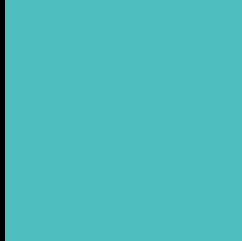
Large Text (above 18pt) WCAG AA × Fail

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 30.8496, 42.1643, 55.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

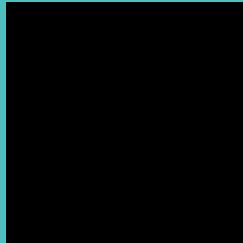
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

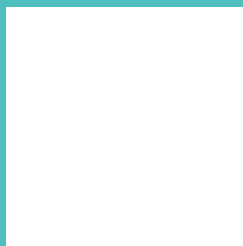
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8496, 42.1643, 55.2278

Background



This preview shows how black text looks on a background with the XYZ color 30.8496, 42.1643, 55.2278.

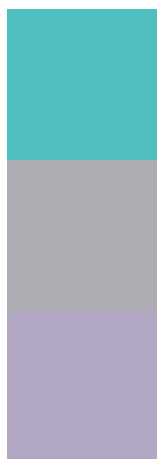


This preview shows how white text looks on a background with the XYZ color 30.8496, 42.1643,

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

30.8496, 42.1643, 55.2278

Protanopia

40.3448, 41.7584, 48.5816

Deuteranopia

42.4434, 41.5291, 57.4087



Tritanopia

32.4189, 42.1631, 62.9295

Trichromacy



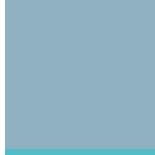
Original Color

30.8496, 42.1643, 55.2278



Protanomaly

35.3148, 41.1481, 50.8808



Deuteranomaly

36.3063, 40.6517, 56.3851



Tritanomaly

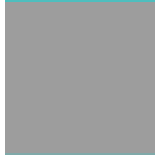
31.8703, 42.2662, 59.9045

Monochromacy



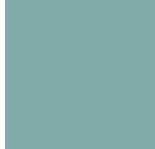
Original Color

30.8496, 42.1643, 55.2278



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.2515, 35.8297, 42.8575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8496, 42.1643, 55.2278 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(78, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(78, 190, 190)  
}
```

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(78, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 190, 190) }
```

Border

The CSS property to change the border of an element to XYZ 30.8496, 42.1643, 55.2278 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(78, 190, 190) }
```


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

```
.border{ border-color:rgb(78, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 190, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 190, 190);  
box-shadow:4px 4px 4px 4px rgb(78, 190,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8496, 42.1643, 55.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 190, 190) }
```

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

```
.background{ background-color: rgb(78, 190,  
190) }
```

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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