

Converting Colors

XYZ(22.4801, 35.8952, 15.8688)

Have a look what the booklet for
XYZ(22.4801, 35.8952, 15.8688)
contains.

XYZ(22.4801, 35.8952, 15.8688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.4801, 35.8952,
15.8688)**

Conversions

Conversions Part 1

Format	Color
Hex	58B55C
RGB	88, 181, 92
RGB Percent	35%, 71%, 36%
CMY	0.6549, 0.2902, 0.6392
CMYK	0.51, 0.00, 0.49, 0.29
HSL	123°, 39%, 53%
HSV	123°, 51%, 71%
XYZ	22.4801, 35.8952, 15.8688
YIQ	143.0470, -26.8590, -47.3950

Conversions

Conversions Part 2

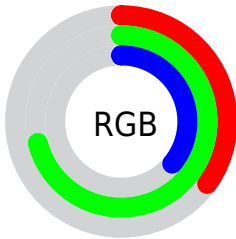
Format	Color
RYB	88, 177, 181
Decimal	5813596
CIELab	66.44, -46.13, 36.89
CIELCh	66, 59.066, 141.354
Yxy	35.8952, 0.3028, 0.4835
Android (android.graphics.Color)	4284003676 (0xFF58B55C)
YUV	143.0470, -25.1662, -48.2762
Hunter-Lab	59.9126, -37.8712, 26.2349

Details

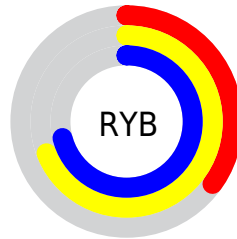
The XYZ color **22.4801, 35.8952, 15.8688** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.4826, 19.9780, 43.8453**, and the grayscale version is **26.2329, 27.5991, 30.0554**.

A 20% lighter version of the original color is **47.1102, 69.0920, 37.2387**, and **8.4263, 15.5598, 4.8447** is the 20% darker color. If you saturate the color by 10%, you get **20.3023, 34.8512, 12.2564**, and if you desaturate by 10%, it is **25.2582, 37.2307, 20.4145**.

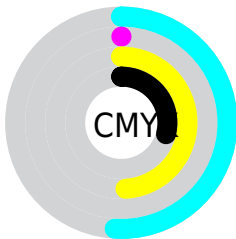
Distribution



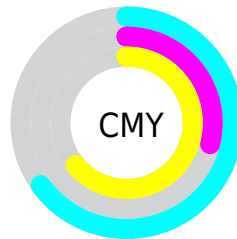
- Red (35%)
- Green (71%)
- Blue (36%)



- Red (35%)
- Yellow (69%)
- Blue (71%)



- Cyan (51%)
- Magenta (0%)
- Yellow (49%)
- Black (29%)





- Cyan (65%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4801, 35.8952, 15.8688 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 22.4801, 35.8952, 15.8688 by changing the saturation by 10% instead.


 22.4801, 35.8952,
15.8688


 22.4801, 35.8952,
15.8688


257.6288,
328.5023, 240.3855


 14.3287, 24.3533,
9.2780

 47.0112, 68.8703,
37.1339

 8.4328, 15.5959,
4.8237


 64.1216, 91.0722,
52.6453

 4.4273, 9.2386,
2.0873


 84.9490, 117.5963,
71.9673

 1.9466, 4.8972,
0.6082

 109.8588,
148.8269, 95.5185

 0.6037, 2.1871,
0.0000

139.2163,
185.1483, 123.7173

 0.0000, 0.7129,
0.0000

173.3869,

 0.0000, 0.0000,

226.9451, 156.9824

0.0000

212.7360,
274.6017, 195.7323

■ 22.4801, 35.8952,
15.8688

■ 22.4801, 35.8952,
15.8688

■ 20.3023, 34.8512,
12.2564

■ 25.2582, 37.2307,
20.4145

■ 18.6780, 34.0730,
9.5104

■ 28.6735, 38.8724,
25.9495

■ 17.5581, 33.5377,
7.5589

■ 32.7632, 40.8393,
32.5281

■ 16.8833, 33.2166,
6.3174

■ 37.5607, 43.1477,
40.2002

■ 16.5673, 33.0663,
5.7329

■ 43.0973, 45.8126,
49.0123

■ 49.4025, 48.8483,
59.0082

■ 56.5040, 52.2683,
70.2296

■ 64.4283, 56.0852,
82.7159

■ 73.2005, 60.3113,
96.5050

Harmonies

Analogous

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



28.2897, 35.8952, 9.0017



22.4801, 35.8952, 15.8688



19.9102, 35.8952, 32.2072

Triad

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



22.4801, 35.8952, 15.8688



31.6232, 35.8952, 109.7545



52.5420, 35.8952, 23.8910

Complementary

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



22.4801, 35.8952, 15.8688



30.4826, 19.9780, 43.8453

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.



53.8525, 35.8952, 46.8754



22.4801, 35.8952, 15.8688



40.6948, 35.8952, 104.2917

Square

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



22.4801, 35.8952, 15.8688



24.5573, 35.8952, 90.8255



49.2046, 35.8952, 78.0921



45.8832, 35.8952, 12.0438

Rectangle

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



22.4801, 35.8952, 15.8688



20.0078, 35.8952, 49.4824



49.2046, 35.8952, 78.0921



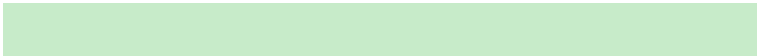
53.6635, 35.8952, 30.2547

Sweetspot

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



22.4810, 35.8967, 15.8696



63.7898, 75.5996, 66.4418



36.6241, 43.2074, 15.6421



13.4019, 16.1543, 13.7441



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.4810, 35.8967, 15.8696



35.8121, 62.1527, 21.0330



25.1078, 36.9474, 29.7022



8.4033, 9.4958, 9.1175



11.4273, 22.7969, 3.9870



0.3644, 0.7192, 0.1511

Inverse Universe

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



30.4826, 19.9780, 43.8453



51.7647, 30.3840, 76.7834



26.6707, 18.4533, 23.7719



8.8339, 8.6403, 10.6238



18.3576, 8.8606, 28.1068



0.5824, 0.2807, 0.9098

Previews

White Background



This preview shows how the XYZ color 22.4801, 35.8952, 15.8688 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 22.4801, 35.8952, 15.8688 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 22.4801, 35.8952, 15.8688

Background



This preview shows how black text looks on a background with the XYZ color 22.4801, 35.8952, 15.8688.



This preview shows how white text looks on a background with the XYZ color 22.4801, 35.8952,

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

22.4801, 35.8952, 15.8688

Protanopia

32.5160, 35.4927, 13.7313

Deuteranopia

35.8915, 35.1527, 16.6978



Tritanopia

29.6265, 35.8798, 51.2630

Trichromacy



Original Color

22.4801, 35.8952, 15.8688

Protanomaly

27.4411, 34.7296, 14.4897

Deuteranomaly

28.7261, 34.0075, 16.1164

Tritanomaly

26.2827, 35.6610, 34.7762

Monochromacy



Original Color

22.4801, 35.8952, 15.8688

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

23.8634, 29.7801, 23.5592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4801, 35.8952, 15.8688 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(88, 181, 92)` looks like.

```
.text, #text, p{  
    color:rgb(88, 181, 92)  
}
```

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(88, 181, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 181, 92) }
```

Border

The CSS property to change the border of an element to XYZ 22.4801, 35.8952, 15.8688 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(88, 181, 92) }
```


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

```
.border{ border-color:rgb(88, 181, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 181, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 181, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 181, 92);  
box-shadow:4px 4px 4px 4px rgb(88, 181,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4801, 35.8952, 15.8688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 181, 92) }
```

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

```
.background{ background-color: rgb(88, 181,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor