

Converting Colors

XYZ(35.2839, 55.5733, 18.9931)

Have a look what the booklet for
XYZ(35.2839, 55.5733, 18.9931)
contains.

XYZ(35.2893, 55.5733, 18.9920)	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(35.2893, 55.5733,
18.9920)**

Conversions

Conversions Part 1

Format	Color
Hex	7ADB5C
RGB	122, 219, 92
RGB Percent	48%, 86%, 36%
CMY	0.5216, 0.1412, 0.6392
CMYK	0.44, 0.00, 0.58, 0.14
HSL	106°, 64%, 61%
HSV	106°, 58%, 86%
XYZ	35.2893, 55.5733, 18.9920
YIQ	175.5190, -17.0450, -60.0610

Conversions

Conversions Part 2

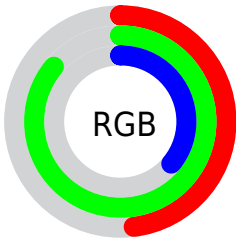
Format	Color
RYB	92, 219, 189
Decimal	8051548
CIELab	79.37, -51.71, 52.69
CIELCh	79, 73.823, 134.466
Yxy	55.5733, 0.3212, 0.5059
Android (android.graphics.Color)	4286241628 (0xFF7ADB5C)
YUV	175.5190, -41.1749, -46.9362
Hunter-Lab	74.5475, -45.9598, 37.0783

Details

The XYZ color **35.2893, 55.5733, 18.9920** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **37.6025, 23.5895, 69.5922**, and the grayscale version is **41.2314, 43.3786, 47.2393**.

A 20% lighter version of the original color is **59.7707, 83.2986, 40.1221**, and **15.4969, 27.3911, 6.3040** is the 20% darker color. If you saturate the color by 10%, you get **32.2992, 54.1286, 14.5570**, and if you desaturate by 10%, it is **38.9665, 57.3436, 24.9057**.

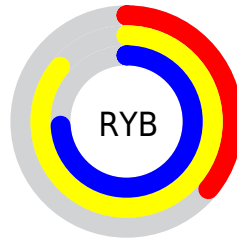
Distribution



Red (48%)

Green (86%)

Blue (36%)



Red (36%)

Yellow (86%)

Blue (74%)

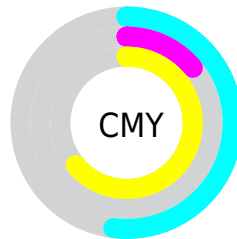


Cyan (44%)

Magenta (0%)

Yellow (58%)

Black (14%)



Cyan (52%)

Magenta (14%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2893, 55.5733, 18.9920 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 35.2893, 55.5733, 18.9920 by changing the saturation by 10% instead.

35.2893, 55.5733,
18.9920

35.2893, 55.5733,
18.9920

317.3291,
408.0815, 258.8258

24.0534, 39.8609,
11.4877

67.2648, 98.3804,
42.5571

15.4982, 27.4301,
6.2776

88.7350, 126.2439,
59.4550

9.2583, 17.8965,
2.9431

114.3474,
158.9266, 80.3213

4.9685, 10.8757,
1.0657

144.4673,
196.8129, 105.5743

2.2634, 5.9833,
0.0000

179.4601,
240.2871, 135.6328

0.7758, 2.8349,
0.0000

219.6911,

0.0000, 1.0462,

289.7337, 170.9152

0.0000

265.5256,
345.5370, 211.8400

■ 0.0000, 0.0000,
0.0000

■ 35.2893, 55.5733,
18.9920

■ 35.2893, 55.5733,
18.9920

■ 32.2992, 54.1286,
14.5570

■ 38.9665, 57.3436,
24.9057

■ 29.9466, 52.9818,
11.4665

■ 43.3679, 59.4511,
32.4093

■ 28.1814, 52.1119,
9.5684

■ 48.5324, 61.9152,
41.6077

■ 26.9372, 51.4897,
8.6452

■ 54.4949, 64.7520,
52.5958

■ 26.7348, 51.3881,
8.5098

■ 61.2883, 67.9764,
65.4614

■ 68.9434, 71.6025,
80.2866

■ 77.4894, 75.6438,
97.1485

■ 84.6227, 79.1453,
105.4242

Harmonies

Analogous

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



46.0261, 55.5733, 10.9295



35.2893, 55.5733, 18.9920



29.8733, 55.5733, 41.2025

Triad

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



35.2893, 55.5733, 18.9920



45.5602, 55.5733, 177.8955



85.4452, 55.5733, 42.3489

Complementary

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



35.2893, 55.5733, 18.9920



37.6025, 23.5895, 69.5922

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.



85.2561, 55.5733, 85.0659



35.2893, 55.5733, 18.9920



60.2532, 55.5733, 178.7038

Square

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



35.2893, 55.5733, 18.9920



35.0034, 55.5733, 137.4352



75.3674, 55.5733, 139.2999



75.8439, 55.5733, 19.4925

Rectangle

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



35.2893, 55.5733, 18.9920



29.2262, 55.5733, 67.0804



75.3674, 55.5733, 139.2999



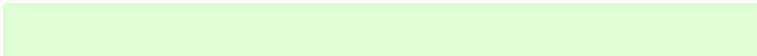
86.5743, 55.5733, 54.3831

Sweetspot

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



35.2906, 55.5757, 18.9932



77.6897, 91.7679, 75.6744



48.9710, 51.4821, 17.4821



16.2395, 19.4571, 15.4701



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.



35.2906, 55.5757, 18.9932



44.6431, 75.9467, 19.2352



33.3692, 54.3898, 27.7268



13.1730, 14.7539, 13.8791



15.9331, 30.5113, 5.0495



1.1090, 2.0163, 0.3307

Inverse Universe

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



37.6025, 23.5895, 69.5922



48.0632, 26.5803, 97.2050



42.0391, 26.3144, 50.0200



13.2981, 13.1118, 16.4821



17.1670, 7.9741, 40.3728



1.1863, 0.5548, 2.6190

Previews

White Background



This preview shows how the XYZ color 35.2893, 55.5733, 18.9920 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 35.2893, 55.5733, 18.9920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

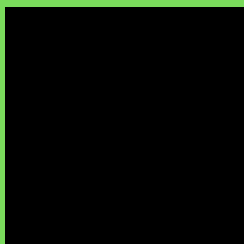
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2893, 55.5733, 18.9920

Background



This preview shows how black text looks on a background with the XYZ color 35.2893, 55.5733, 18.9920.

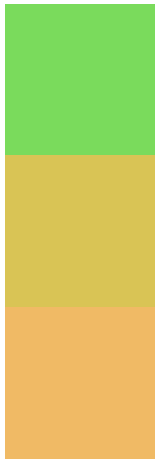


This preview shows how white text looks on a background with the XYZ color 35.2893, 55.5733,

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

35.2893, 55.5733, 18.9920

Protanopia

49.9949, 54.8874, 16.5537

Deuteranopia

55.8430, 54.5827, 19.9042



Tritanopia

46.9332, 55.4363, 77.3339

Trichromacy



Original Color

35.2893, 55.5733, 18.9920



Protanomaly

42.6457, 53.8354, 17.3761



Deuteranomaly

45.4246, 53.1403, 19.4182



Tritanomaly

41.3487, 55.0020, 48.9946

Monochromacy



Original Color

35.2893, 55.5733, 18.9920



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.6708, 46.8115, 33.8381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2893, 55.5733, 18.9920 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(122, 219, 92)` looks like.

```
.text, #text, p{  
    color:rgb(122, 219, 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(122, 219, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 219, 92) }
```

Border

The CSS property to change the border of an element to XYZ 35.2893, 55.5733, 18.9920 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(122, 219, 92) }
```


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

```
.border{ border-color:rgb(122, 219, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 219, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 219, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 219, 92);  
box-shadow:4px 4px 4px 4px rgb(122, 219,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2893, 55.5733, 18.9920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 219, 92) }
```

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

```
.background{ background-color: rgb(122,  
219, 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