

Converting Colors

XYZ(23.1411, 33.2614, 5.5813)

Have a look what the booklet for
XYZ(23.1411, 33.2614, 5.5813)
contains.

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Color

**XYZ(23.1998, 33.2905,
5.5837)**

Conversions

Conversions Part 1

Format	Color
Hex	7FAA0D
RGB	127, 170, 13
RGB Percent	50%, 67%, 5%
CMY	0.5020, 0.3333, 0.9490
CMYK	0.25, 0.00, 0.92, 0.33
HSL	76°, 86%, 36%
HSV	76°, 92%, 67%
XYZ	23.1998, 33.2905, 5.5837
YIQ	139.2450, 24.7690, -57.9430

Conversions

Conversions Part 2

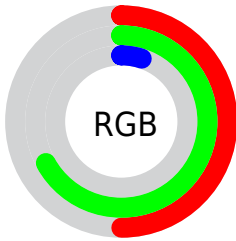
Format	Color
RYB	13, 170, 56
Decimal	8366605
CIELab	64.40, -34.05, 64.31
CIELCh	64, 72.768, 117.904
Yxy	33.2905, 0.3737, 0.5363
Android (android.graphics.Color)	4286556685 (0xFF7FAA0D)
YUV	139.2450, -62.2388, -10.7389
Hunter-Lab	57.6979, -29.1982, 34.6508

Details

The XYZ color **23.1998, 33.2905, 5.5837** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.0320, 4.0318, 38.3343**, and the grayscale version is **24.8624, 26.1571, 28.4851**.

A 20% lighter version of the original color is **48.1403, 64.6200, 17.5251**, and **9.1509, 14.3346, 2.2845** is the 20% darker color. If you saturate the color by 10%, you get **22.6062, 32.9940, 5.1770**, and if you desaturate by 10%, it is **24.0721, 33.7226, 6.4696**.

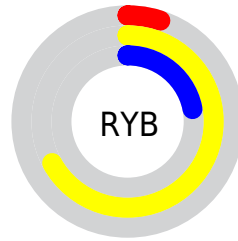
Distribution



Red (50%)

Green (67%)

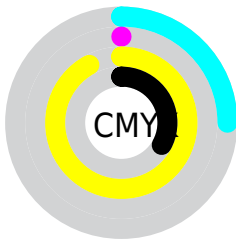
Blue (5%)



Red (5%)

Yellow (67%)

Blue (22%)

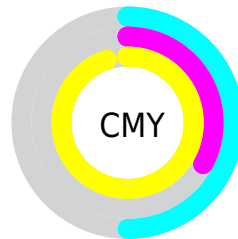


Cyan (25%)

Magenta (0%)

Yellow (92%)

Black (33%)



Cyan (50%)


Magenta (33%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1998, 33.2905, 5.5837 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 23.1998, 33.2905, 5.5837 by changing the saturation by 10% instead.


 23.1998, 33.2905,
5.5837


 23.1998, 33.2905,
5.5837


261.2658,
316.9567, 164.4710


 14.8626, 22.3491,
2.5290


 48.1854, 64.8288,
17.5230


 8.8087, 14.1136,
0.8555


 65.5646, 86.1945,
27.2447


 4.6727, 8.1997,
0.0000


 86.6885, 111.8037,
40.0257

 2.0893, 4.2230,
0.0000

 111.9224,
142.0409, 56.2848

 0.6834, 1.7991,
0.0000

 141.6317,
177.2903, 76.4402

 0.0000, 0.4866,
0.0000

 176.1818,

 0.0000, 0.0000,

217.9365, 100.9107

0.0000

215.9381,
264.3639, 130.1148

■ 23.1998, 33.2905,
5.5837

■ 23.1998, 33.2905,
5.5837

■ 22.6062, 32.9940,
5.1770

■ 24.0721, 33.7226,
6.4696

■ 25.0932, 34.2168,
7.9727

■ 26.2807, 34.7813,
10.1809

■ 27.6491, 35.4221,
13.1673

■ 29.2108, 36.1440,
16.9959

■ 30.9771, 36.9518,
21.7240

■ 32.9583, 37.8494,
27.4040

■ 35.1640, 38.8409,
34.0842

■ 37.6031, 39.9299,
41.8096

Harmonies

Analogous

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



32.3764, 33.2905, 3.8940



23.1998, 33.2905, 5.5837



17.5809, 33.2905, 13.5891

Triad

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



23.1998, 33.2905, 5.5837



22.1880, 33.2905, 109.3066



56.0342, 33.2905, 38.3762

Complementary

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



23.1998, 33.2905, 5.5837



9.0320, 4.0318, 38.3343

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.



51.7104, 33.2905, 75.8286



23.1998, 33.2905, 5.5837



30.9181, 33.2905, 128.4603

Square

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



23.1998, 33.2905, 5.5837



17.0927, 33.2905, 70.0651



41.9169, 33.2905, 113.7234



52.7287, 33.2905, 15.5576

Rectangle

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



23.1998, 33.2905, 5.5837



15.8790, 33.2905, 25.5525



41.9169, 33.2905, 113.7234



55.4082, 33.2905, 49.5750

Sweetspot

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



23.2006, 33.2920, 5.5844



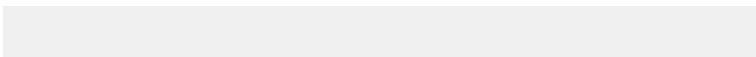
57.5343, 67.6472, 43.1597



18.0115, 11.2963, 1.6123



12.5053, 14.9379, 8.7119



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.2006, 33.2920, 5.5844



40.7955, 59.7482, 9.3824



15.7461, 29.4491, 5.2355



7.9435, 8.6690, 8.0439



16.6842, 24.2983, 3.8107



0.4512, 0.6145, 0.0948

Inverse Universe

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



9.0320, 4.0318, 38.3343



15.0751, 6.2507, 69.4138



17.1320, 8.2075, 38.7133



7.3175, 7.3963, 9.4603



6.2326, 2.5964, 28.1482



0.1998, 0.0880, 0.6871

Previews

White Background



This preview shows how the XYZ color 23.1998, 33.2905, 5.5837 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 23.1998, 33.2905, 5.5837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

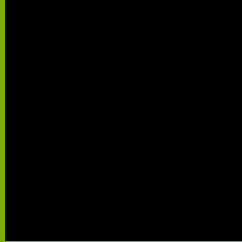
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1998, 33.2905, 5.5837

Background



This preview shows how black text looks on a background with the XYZ color 23.1998, 33.2905, 5.5837.



This preview shows how white text looks on a background with the XYZ color 23.1998, 33.2905,

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

23.1998, 33.2905, 5.5837

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.6294, 33.0254, 6.0409



Tritanopia

30.7329, 33.1448, 43.3059

Trichromacy



Original Color

23.1998, 33.2905, 5.5837

Protanomaly

26.8728, 32.7698, 5.0524

Deuteranomaly

28.8695, 32.5094, 5.7306

Tritanomaly

26.2741, 32.3739, 20.7836

Monochromacy



Original Color

23.1998, 33.2905, 5.5837

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.8738, 27.7539, 14.5074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1998, 33.2905, 5.5837 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(127, 170, 13)` looks like.

```
.text, #text, p{  
    color:rgb(127, 170, 13)  
}
```

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(127, 170, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 170, 13) }
```

Border

The CSS property to change the border of an element to XYZ 23.1998, 33.2905, 5.5837 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(127, 170, 13) }
```


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

```
.border{ border-color:rgb(127, 170, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 170, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 170, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 170, 13);  
box-shadow:4px 4px 4px 4px rgb(127, 170,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1998, 33.2905, 5.5837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 170, 13) }
```

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

```
.background{ background-color: rgb(127,  
170, 13) }
```

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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