

Converting Colors

XYZ(32.2198, 33.4153, 5.3579)

Have a look what the booklet for
XYZ(32.2198, 33.4153, 5.3579)
contains.

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Color

**XYZ(32.2478, 33.5208,
5.3866)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9913
RGB	188, 153, 19
RGB Percent	74%, 60%, 7%
CMY	0.2627, 0.4000, 0.9255
CMYK	0.00, 0.19, 0.90, 0.26
HSL	48°, 82%, 41%
HSV	48°, 90%, 74%
XYZ	32.2478, 33.5208, 5.3866
YIQ	148.1890, 63.8740, -34.2540

Conversions

Conversions Part 2

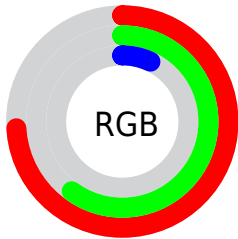
Format	Color
RYB	63, 188, 19
Decimal	12359955
CIELab	64.58, 1.40, 65.51
CIElCh	65, 65.527, 88.774
Yxy	33.5208, 0.4532, 0.4711
Android (android.graphics.Color)	4290550035 (0xFFBC9913)
YUV	148.1890, -63.6902, 34.9142
Hunter-Lab	57.8972, -1.8983, 35.0118

Details

The XYZ color **32.2478, 33.5208, 5.3866** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.6650, 6.4079, 48.2514**, and the grayscale version is **28.4674, 29.9499, 32.6155**.

A 20% lighter version of the original color is **62.5094, 65.1762, 17.0702**, and **13.9573, 14.2486, 2.0146** is the 20% darker color. If you saturate the color by 10%, you get **31.5052, 32.2221, 4.5650**, and if you desaturate by 10%, it is **33.1254, 34.9095, 6.8098**.

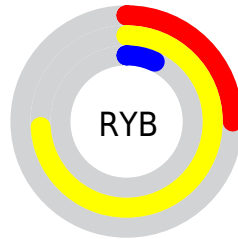
Distribution



Red (74%)

Green (60%)

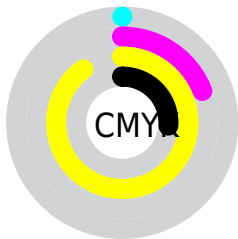
Blue (7%)



Red (25%)

Yellow (74%)

Blue (7%)

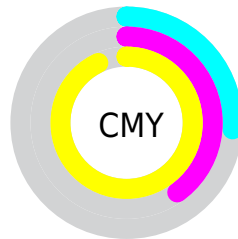


Cyan (0%)

Magenta (19%)

Yellow (90%)

Black (26%)



Cyan (26%)


Magenta (40%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2478, 33.5208, 5.3866 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 32.2478, 33.5208, 5.3866 by changing the saturation by 10% instead.


 32.2478, 33.5208,
5.3866


 32.2478, 33.5208,
5.3866


303.9718,
317.9900, 162.5758

 21.7073, 22.5257,
2.4132


 62.5619, 65.1878,
17.0989

 13.7574, 14.2437,
0.7936


 83.0663, 86.6285,
26.6749


 8.0327, 8.2904,
0.0000


 107.6226,
112.3198, 39.2888

 4.1679, 4.2813,
0.0000

 136.5963,
142.6462, 55.3591

 1.7975, 1.8321,
0.0000

 170.3527,
177.9920, 75.3044

 0.5162, 0.5071,
0.0000

 209.2572,

 0.0000, 0.0000,

218.7416, 99.5433

0.0000

253.6751,
265.2795, 128.4943

■ 32.2478, 33.5208,
5.3866

■ 32.2478, 33.5208,
5.3866

■ 31.5052, 32.2221,
4.5650

■ 33.1254, 34.9095,
6.8098

■ 31.4972, 32.2080,
4.5567

■ 34.1761, 36.3996,
9.0444

■ 35.4211, 38.0014,
12.1982

■ 36.8781, 39.7221,
16.3621

■ 38.5622, 41.5681,
21.6161

■ 40.4873, 43.5453,
28.0321

■ 42.6661, 45.6591,
35.6758

■ 45.1102, 47.9143,
44.6079

■ 47.8307, 50.3157,
54.8853

Harmonies

Analogous

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



42.1527, 33.5208, 7.7535



32.2478, 33.5208, 5.3866



23.9449, 33.5208, 7.3668

Triad

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



32.2478, 33.5208, 5.3866



18.5244, 33.5208, 67.4283



49.9019, 33.5208, 70.3503

Complementary

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



32.2478, 33.5208, 5.3866



10.6650, 6.4079, 48.2514

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.



41.3527, 33.5208, 103.0571



32.2478, 33.5208, 5.3866



23.3969, 33.5208, 100.8659

Square

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



32.2478, 33.5208, 5.3866



17.0190, 33.5208, 35.4049



31.4763, 33.5208, 116.3026



53.5028, 33.5208, 37.6143

Rectangle

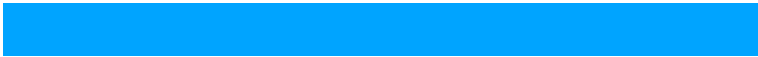
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.2478, 33.5208, 5.3866



20.1315, 33.5208, 11.9470



31.4763, 33.5208, 116.3026



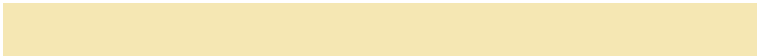
47.4384, 33.5208, 82.2075

Sweetspot

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



32.2486, 33.5224, 5.3873



74.3008, 79.8343, 53.9845



21.6765, 11.4392, 4.7587



15.7031, 16.8949, 10.6641



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.2486, 33.5224, 5.3873



56.9021, 58.0079, 8.1976



28.9359, 41.5990, 7.1208



10.1499, 10.7759, 10.1216



21.4996, 22.0380, 3.1206



0.8852, 0.9493, 0.1366

Inverse Universe

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



10.6650, 6.4079, 48.2514



17.6214, 8.9213, 87.0194



11.6172, 5.2862, 47.9847



9.1723, 9.5369, 12.0296



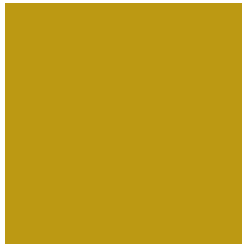
6.7168, 3.5454, 32.7232



0.3109, 0.2344, 1.2977

Previews

White Background



This preview shows how the XYZ color 32.2478, 33.5208, 5.3866 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 32.2478, 33.5208, 5.3866 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 32.2478, 33.5208, 5.3866

Background



This preview shows how black text looks on a background with the XYZ color 32.2478, 33.5208, 5.3866.



This preview shows how white text looks on a background with the XYZ color 32.2478, 33.5208,

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

32.2478, 33.5208, 5.3866

Protanopia

30.3147, 33.5116, 5.5324

Deuteranopia

34.1908, 33.5625, 5.4868



Tritanopia

38.1877, 33.3817, 34.5676

Trichromacy



Original Color

32.2478, 33.5208, 5.3866

Protanomaly

31.0708, 33.6512, 5.5195

Deuteranomaly

33.2993, 33.3400, 5.4392

Tritanomaly

34.7699, 32.8947, 17.6134

Monochromacy



Original Color

32.2478, 33.5208, 5.3866

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.3596, 30.5388, 16.7118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2478, 33.5208, 5.3866 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(188, 153, 19)` looks like.

```
.text, #text, p{  
    color:rgb(188, 153, 19)  
}
```

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(188, 153, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 153, 19) }
```

Border

The CSS property to change the border of an element to XYZ 32.2478, 33.5208, 5.3866 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(188, 153, 19) }
```


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

```
.border{ border-color:rgb(188, 153, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 153, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 153, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 153, 19);  
box-shadow:4px 4px 4px 4px rgb(188, 153,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2478, 33.5208, 5.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 153, 19) }
```

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

```
.background{ background-color: rgb(188,  
153, 19) }
```

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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