

Converting Colors

XYZ(23.3450, 30.4964, 4.8655)

Have a look what the booklet for
XYZ(23.3450, 30.4964, 4.8655)
contains.

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Color

**XYZ(23.2517, 30.3871,
4.8408)**

Conversions

Conversions Part 1

Format	Color
Hex	8C9F07
RGB	140, 159, 7
RGB Percent	55%, 62%, 3%
CMY	0.4510, 0.3765, 0.9725
CMYK	0.12, 0.00, 0.96, 0.38
HSL	68°, 92%, 33%
HSV	68°, 96%, 62%
XYZ	23.2517, 30.3871, 4.8408
YIQ	135.9910, 37.4680, -51.3000

Conversions

Conversions Part 2

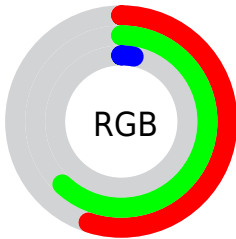
Format	Color
RYB	7, 159, 26
Decimal	9215751
CIELab	61.99, -23.44, 63.61
CIELCh	62, 67.790, 110.229
Yxy	30.3871, 0.3976, 0.5196
Android (android.graphics.Color)	4287405831 (0xFF8C9F07)
YUV	135.9910, -63.5926, 3.5159
Hunter-Lab	55.1245, -21.1760, 33.3805

Details

The XYZ color **23.2517, 30.3871, 4.8408** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7610, 2.8755, 33.0015**, and the grayscale version is **23.6206, 24.8507, 27.0624**.

A 20% lighter version of the original color is **48.3770, 60.4853, 15.9626**, and **9.1089, 12.6564, 1.9628** is the 20% darker color. If you saturate the color by 10%, you get **23.0668, 30.2972, 4.6322**, and if you desaturate by 10%, it is **23.7058, 30.6089, 5.4648**.

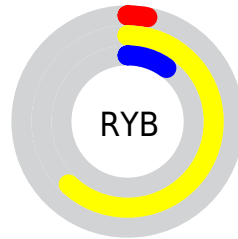
Distribution



Red (55%)

Green (62%)

Blue (3%)



Red (3%)

Yellow (62%)

Blue (10%)

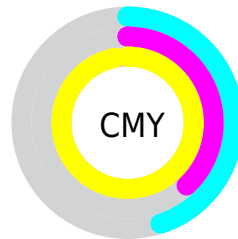


Cyan (12%)

Magenta (0%)

Yellow (96%)

Black (38%)



Cyan (45%)

Magenta (38%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2517, 30.3871, 4.8408 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 23.2517, 30.3871, 4.8408 by changing the saturation by 10% instead.

■ 23.2517, 30.3871,
4.8408

■ 23.2517, 30.3871,
4.8408

■ 261.5264,
303.7047, 157.1568

■ 14.9012, 20.1326,
2.0971

■ 48.2699, 60.2738,
15.9067

■ 8.8359, 12.4915,
0.6140

■ 65.6683, 80.6748,
25.0659

■ 4.6906, 7.0793,
0.0000

■ 86.8134, 105.2268,
37.2006

■ 2.0998, 3.5118,
0.0000

■ 112.0705,
134.3141, 52.7295

■ 0.6891, 1.4044,
0.0000

■ 141.8050,
168.3211, 72.0710

■ 0.0000, 0.2200,
0.0000

■ 176.3823,

■ 0.0000, 0.0000,

207.6323, 95.6437

0.0000

216.1676,
252.6320, 123.8661

23.2517, 30.3871,
4.8408

23.2517, 30.3871,
4.8408

23.0668, 30.2972,
4.6322

23.7058, 30.6089,
5.4648

24.2594, 30.8701,
6.5833

24.9293, 31.1785,
8.2828

25.7280, 31.5392,
10.6283

26.6661, 31.9563,
13.6761

■ 27.7533, 32.4338,
17.4764

■ 28.9983, 32.9751,
22.0748

■ 30.4090, 33.5834,
27.5132

■ 31.9928, 34.2618,
33.8307

Harmonies

Analogous

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



31.9502, 30.3871, 4.2145



23.2517, 30.3871, 4.8408



17.4259, 30.3871, 10.2880

Triad

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



23.2517, 30.3871, 4.8408



19.0839, 30.3871, 88.3794



49.7511, 30.3871, 42.3267

Complementary

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



23.2517, 30.3871, 4.8408



6.7610, 2.8755, 33.0015

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.



44.5015, 30.3871, 76.5352



23.2517, 30.3871, 4.8408



26.0169, 30.3871, 110.9645

Square

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



23.2517, 30.3871, 4.8408



15.3931, 30.3871, 53.5814



35.3549, 30.3871, 105.7587



48.5760, 30.3871, 18.6242

Rectangle

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



23.2517, 30.3871, 4.8408



15.3617, 30.3871, 18.8814



35.3549, 30.3871, 105.7587



48.6435, 30.3871, 53.0651

Sweetspot

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



23.2524, 30.3885, 4.8414



51.0122, 58.6539, 36.0929



14.6796, 8.0712, 0.9856



11.3007, 13.1364, 7.4020



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.2524, 30.3885, 4.8414



41.1951, 54.1982, 8.2901



14.6356, 25.9464, 4.4382



7.0885, 7.6783, 7.0941



18.2418, 23.9407, 3.6596



0.3468, 0.4387, 0.0664

Inverse Universe

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



6.7610, 2.8755, 33.0015



11.6291, 4.7004, 59.0378



11.6724, 5.4074, 33.2313



6.3580, 6.4730, 8.3210



5.1895, 2.1043, 26.0399



0.1123, 0.0477, 0.4665

Previews

White Background



This preview shows how the XYZ color 23.2517, 30.3871, 4.8408 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 23.2517, 30.3871, 4.8408 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 23.2517, 30.3871, 4.8408

Background



This preview shows how black text looks on a background with the XYZ color 23.2517, 30.3871, 4.8408.



This preview shows how white text looks on a background with the XYZ color 23.2517, 30.3871,

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

23.2517, 30.3871, 4.8408

Protanopia

27.2685, 30.2477, 4.4012

Deuteranopia

30.8689, 30.2487, 5.3102



Tritanopia

29.7968, 30.3584, 37.0902

Trichromacy



Original Color

23.2517, 30.3871, 4.8408

Protanomaly

25.5082, 30.0581, 4.5435

Deuteranomaly

27.5108, 29.8882, 4.9809

Tritanomaly

25.9397, 29.7518, 17.4722

Monochromacy



Original Color

23.2517, 30.3871, 4.8408

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.0930, 25.9862, 13.3026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2517, 30.3871, 4.8408 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(140, 159, 7)` looks like.

```
.text, #text, p{  
    color:rgb(140, 159, 7)  
}
```

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(140, 159, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 159, 7) }
```

Border

The CSS property to change the border of an element to XYZ 23.2517, 30.3871, 4.8408 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(140, 159, 7) }
```


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

```
.border{ border-color:rgb(140, 159, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 159, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 159, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 159, 7);  
box-shadow:4px 4px 4px 4px rgb(140, 159,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2517, 30.3871, 4.8408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 159, 7) }
```

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

```
.background{ background-color: rgb(140,  
159, 7) }
```

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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