

Converting Colors

XYZ(13.8102, 23.3116, 3.7721)

Have a look what the booklet for
XYZ(13.8102, 23.3116, 3.7721)
contains.

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Color

**XYZ(13.8080, 23.3085,
3.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9600
RGB	75, 150, 0
RGB Percent	29%, 59%, 0%
CMY	0.7059, 0.4118, 1.0000
CMYK	0.50, 0.00, 1.00, 0.41
HSL	90°, 100%, 29%
HSV	90°, 100%, 59%
XYZ	13.8080, 23.3085, 3.7712
YIQ	110.4750, 3.4500, -62.5500

Conversions

Conversions Part 2

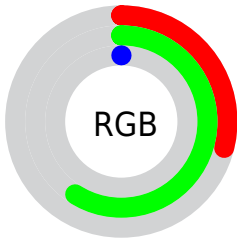
Format	Color
RYB	0, 150, 75
Decimal	4953600
CIELab	55.39, -44.86, 57.89
CIELCh	55, 73.240, 127.775
Yxy	23.3085, 0.3377, 0.5701
Android (android.graphics.Color)	4283143680 (0xFF4B9600)
YUV	110.4750, -54.4642, -31.1116
Hunter-Lab	48.2789, -33.4361, 29.1639

Details

The XYZ color **13.8080, 23.3085, 3.7712** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.4081, 3.6987, 29.1262**, and the grayscale version is **15.1101, 15.8970, 17.3118**.

A 20% lighter version of the original color is **32.4525, 49.0104, 13.5439**, and **4.4178, 8.7612, 1.4582** is the 20% darker color. If you saturate the color by 10%, you get **13.8081, 23.3093, 3.7714**, and if you desaturate by 10%, it is **14.5165, 23.6645, 4.2550**.

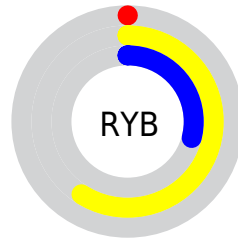
Distribution



Red (29%)

Green (59%)

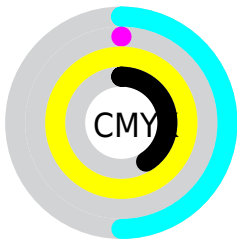
Blue (0%)



Red (0%)

Yellow (59%)

Blue (29%)

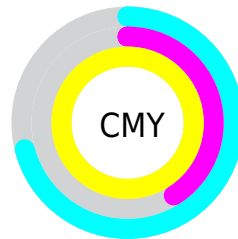


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (71%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8080, 23.3085, 3.7712 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 13.8080, 23.3085, 3.7712 by changing the saturation by 10% instead.

■ 13.8080, 23.3085,
3.7712

■ 13.8080, 23.3085,
3.7712

209.5677,
269.3056, 145.6473

■ 8.0681, 14.8215,
1.5007

■ 32.3371, 48.8994,
13.4785

■ 4.1907, 8.6942,
0.2184

■ 45.8569, 66.7720,
21.7525

■ 1.8106, 4.5423,
0.0000

■ 62.7008, 88.5420,
32.8646

■ 0.5240, 1.9813,
0.0000

■ 83.2340, 114.5937,
47.2334


■ 0.0000, 0.5966,
0.0000


■ 107.8220,
145.3115, 65.2776


■ 0.0000, 0.0000,
0.0000


■ 136.8300,


181.0798, 87.4156


 170.6235,
222.2831, 114.0660


 13.8080, 23.3085,
3.7712


 13.8080, 23.3085,
3.7712


 13.8081, 23.3093,
3.7714

 14.5165, 23.6645,
4.2550

 15.3579, 24.0812,
5.0677

 16.3642, 24.5723,
6.3642

 17.5488, 25.1435,
8.2049

 18.9237, 25.7997,
10.6413

■ 20.4992, 26.5454,
13.7190

■ 22.2852, 27.3848,
17.4793

■ 24.2905, 28.3215,
21.9598

■ 26.5235, 29.3590,
27.1956

Harmonies

Analogous

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



20.0821, 23.3085, 1.7546



13.8080, 23.3085, 3.7712



10.4997, 23.3085, 11.8103

Triad

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



13.8080, 23.3085, 3.7712



16.6931, 23.3085, 94.6609



41.8146, 23.3085, 19.7301

Complementary

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



13.8080, 23.3085, 3.7712



8.4081, 3.6987, 29.1262

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.



40.2614, 23.3085, 46.6615



13.8080, 23.3085, 3.7712



24.3638, 23.3085, 101.9331

Square

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



13.8080, 23.3085, 3.7712



11.8551, 23.3085, 64.4757



33.3257, 23.3085, 80.6720



37.1577, 23.3085, 6.5136

Rectangle

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



13.8080, 23.3085, 3.7712



9.8083, 23.3085, 23.6605



33.3257, 23.3085, 80.6720



42.0188, 23.3085, 27.1788

Sweetspot

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



13.8085, 23.3095, 3.7717



39.1275, 48.2327, 30.4137



15.0948, 11.5174, 1.4278



8.3980, 10.5608, 6.1555



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.8085, 23.3095, 3.7717



24.1655, 41.0300, 6.6459



10.9070, 21.8137, 3.6359



5.9893, 6.6023, 6.1992



11.4887, 19.3505, 3.1295



0.1745, 0.2543, 0.0399

Inverse Universe

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



8.4081, 3.6987, 29.1262



14.6352, 6.4224, 51.3895



18.0836, 8.6866, 29.5790



5.7592, 5.7669, 7.2793



7.0098, 3.0863, 24.1573



0.1197, 0.0553, 0.2973

Previews

White Background



This preview shows how the XYZ color 13.8080, 23.3085, 3.7712 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8080, 23.3085, 3.7712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

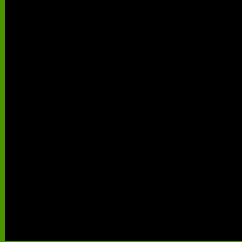
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8080, 23.3085, 3.7712

Background



This preview shows how black text looks on a background with the XYZ color 13.8080, 23.3085, 3.7712.



This preview shows how white text looks on a background with the XYZ color 13.8080, 23.3085,

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

13.8080, 23.3085, 3.7712

Protanopia

20.6457, 22.8921, 3.3305

Deuteranopia

23.3068, 22.8732, 4.4829



Tritanopia

19.5378, 23.1325, 32.7134

Trichromacy



Original Color

13.8080, 23.3085, 3.7712

Protanomaly

17.2587, 22.6028, 3.4532

Deuteranomaly

18.3242, 22.0872, 3.9593

Tritanomaly

15.9583, 22.5642, 14.5806

Monochromacy



Original Color

13.8080, 23.3085, 3.7712

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.3689, 17.6508, 8.4967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8080, 23.3085, 3.7712 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(75, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 150, 0)  
}
```

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(75, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 150, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8080, 23.3085, 3.7712 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(75, 150, 0) }
```


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

```
.border{ border-color:rgb(75, 150, 0) }
```

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

Here you see how a box with a 4 pixel rgb(75, 150, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 150, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8080, 23.3085, 3.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 150, 0) }
```

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

```
.background{ background-color: rgb(75, 150,  
0) }
```

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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