

Converting Colors

XYZ(23.5016, 30.7096, 12.8153)

Have a look what the booklet for
XYZ(23.5016, 30.7096, 12.8153)
contains.

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Color

**XYZ(23.4922, 30.5914,
12.8502)**

Conversions

Conversions Part 1

Format	Color
Hex	83A053
RGB	131, 160, 83
RGB Percent	51%, 63%, 33%
CMY	0.4863, 0.3725, 0.6745
CMYK	0.18, 0.00, 0.48, 0.37
HSL	83°, 32%, 48%
HSV	83°, 48%, 63%
XYZ	23.4922, 30.5914, 12.8502
YIQ	142.5510, 7.4330, -30.0950

Conversions

Conversions Part 2

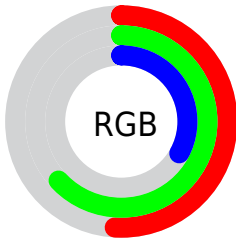
Format	Color
RYB	83, 160, 112
Decimal	8626259
CIELab	62.16, -23.12, 36.66
CIElCh	62, 43.338, 122.236
Yxy	30.5914, 0.3510, 0.4570
Android (android.graphics.Color)	4286816339 (0xFF83A053)
YUV	142.5510, -29.3586, -10.1302
Hunter-Lab	55.3095, -20.9754, 24.9416

Details

The XYZ color **23.4922, 30.5914, 12.8502** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.1218, 12.1702, 34.7588**, and the grayscale version is **26.0413, 27.3974, 29.8358**.

A 20% lighter version of the original color is **48.6111, 60.6364, 31.6962**, and **8.9596, 12.5461, 3.4628** is the 20% darker color. If you saturate the color by 10%, you get **22.0382, 29.9061, 9.9214**, and if you desaturate by 10%, it is **25.1446, 31.3644, 16.5337**.

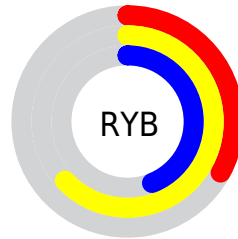
Distribution



Red (51%)

Green (63%)

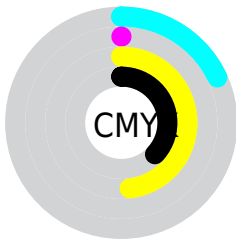
Blue (33%)



Red (33%)

Yellow (63%)

Blue (44%)

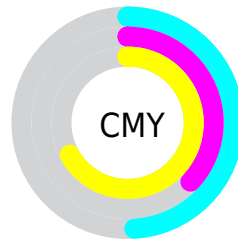


Cyan (18%)

Magenta (0%)

Yellow (48%)

Black (37%)



Cyan (49%)

Magenta (37%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4922, 30.5914, 12.8502 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 23.4922, 30.5914, 12.8502 by changing the saturation by 10% instead.

■ 23.4922, 30.5914,
12.8502

■ 23.4922, 30.5914,
12.8502

262.7314,
304.6515, 221.1294

■ 15.0801, 20.2879,
7.1960

■ 48.6610, 60.5962,
31.7216

■ 8.9623, 12.6045,
3.5047

■ 66.1484, 81.0663,
45.7759

■ 4.7735, 7.1568,
1.3577

■ 87.3915, 105.6940,
63.4673

■ 2.1484, 3.5603,
0.1084

■ 112.7558,
134.8638, 85.2143

■ 0.7153, 1.4308,
0.0000

■ 142.6066,
168.9601, 111.4354

■ 0.0000, 0.2393,
0.0000

177.3092,

■ 0.0000, 0.0000,

208.3672, 142.5493

0.0000

217.2290,
253.4695, 178.9745

■ 23.4922, 30.5914,
12.8502

■ 23.4922, 30.5914,
12.8502

■ 22.0382, 29.9061,
9.9214

■ 25.1446, 31.3644,
16.5337

■ 20.7694, 29.3001,
7.6930

■ 27.0031, 32.2252,
21.0174

■ 19.6746, 28.7696,
6.1063


■ 29.0775, 33.1788,
26.3455


■ 18.7395, 28.3091,
5.0927


■ 31.3763, 34.2287,
32.5584


■ 17.9398, 27.9084,
4.5275


■ 33.9076, 35.3784,
39.6938

 17.7978, 27.8372,
4.4351

 36.6789, 36.6307,
47.7874

 39.6974, 37.9888,
56.8729

 42.9699, 39.4555,
66.9824

 46.5031, 41.0335,
78.1464

Harmonies

Analogous

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



28.6406, 30.5914, 10.4111



23.4922, 30.5914, 12.8502



20.2344, 30.5914, 20.4695

Triad

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



23.4922, 30.5914, 12.8502



24.1561, 30.5914, 70.6047



41.7916, 30.5914, 32.0708

Complementary

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



23.4922, 30.5914, 12.8502



16.1218, 12.1702, 34.7588

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.



40.1784, 30.5914, 50.6334



23.4922, 30.5914, 12.8502



29.5162, 30.5914, 76.8446

Square

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



23.4922, 30.5914, 12.8502



20.5802, 30.5914, 53.5589



35.4816, 30.5914, 68.5560



39.6377, 30.5914, 18.9397

Rectangle

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



23.4922, 30.5914, 12.8502



19.3150, 30.5914, 29.1533



35.4816, 30.5914, 68.5560



41.6716, 30.5914, 37.8416

Sweetspot

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



23.4929, 30.5928, 12.8509



54.3536, 60.9540, 51.9877



21.7696, 19.5190, 10.8042



11.7385, 13.2848, 10.9146



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.



23.4929, 30.5928, 12.8509



39.7693, 54.1825, 17.5561



18.6744, 28.1087, 12.6253



6.9278, 7.5954, 7.0866



13.9135, 21.7094, 3.4570



0.2945, 0.4117, 0.0640

Inverse Universe

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



16.1218, 12.1702, 34.7588



24.7486, 16.5862, 62.2836



21.9682, 15.1841, 35.0324



6.5091, 6.5509, 8.3281



6.4527, 2.7555, 26.0990



0.1605, 0.0725, 0.4688

Previews

White Background



This preview shows how the XYZ color 23.4922, 30.5914, 12.8502 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 23.4922, 30.5914, 12.8502 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 23.4922, 30.5914, 12.8502

Background



This preview shows how black text looks on a background with the XYZ color 23.4922, 30.5914, 12.8502.



This preview shows how white text looks on a background with the XYZ color 23.4922, 30.5914,

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

23.4922, 30.5914, 12.8502

Protanopia

27.8714, 30.3912, 11.9865

Deuteranopia

30.8342, 30.2781, 13.2360



Tritanopia

28.8328, 30.5283, 39.0232

Trichromacy



Original Color

23.4922, 30.5914, 12.8502

Protanomaly

26.1777, 30.4776, 12.2876

Deuteranomaly

27.5314, 29.9533, 13.1346

Tritanomaly

26.3399, 30.2357, 27.0021

Monochromacy



Original Color

23.4922, 30.5914, 12.8502

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.8461, 28.3643, 22.2545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4922, 30.5914, 12.8502 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(131, 160, 83)` looks like.

```
.text, #text, p{  
    color:rgb(131, 160, 83)  
}
```

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(131, 160, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 160, 83) }
```

Border

The CSS property to change the border of an element to XYZ 23.4922, 30.5914, 12.8502 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(131, 160, 83) }
```


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

```
.border{ border-color:rgb(131, 160, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 160, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 160, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 160, 83);  
box-shadow:4px 4px 4px 4px rgb(131, 160,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4922, 30.5914, 12.8502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 160, 83) }
```

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

```
.background{ background-color: rgb(131,  
160, 83) }
```

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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