

Converting Colors

XYZ(23.7662, 30.4316, 12.0918)

Have a look what the booklet for
XYZ(23.7662, 30.4316, 12.0918)
contains.

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Color

**XYZ(23.8011, 30.5117,
12.0320)**

Conversions

Conversions Part 1

Format	Color
Hex	879F4F
RGB	135, 159, 79
RGB Percent	53%, 62%, 31%
CMY	0.4706, 0.3765, 0.6902
CMYK	0.15, 0.00, 0.50, 0.38
HSL	78°, 34%, 47%
HSV	78°, 50%, 62%
XYZ	23.8011, 30.5117, 12.0320
YIQ	142.7040, 11.3760, -29.9680

Conversions

Conversions Part 2

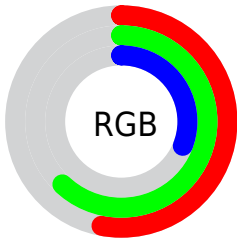
Format	Color
RYB	79, 159, 103
Decimal	8888143
CIELab	62.09, -21.45, 38.67
CIElCh	62, 44.222, 119.023
Yxy	30.5117, 0.3587, 0.4599
Android (android.graphics.Color)	4287078223 (0xFF879F4F)
YUV	142.7040, -31.4061, -6.7564
Hunter-Lab	55.2374, -19.7520, 25.7514

Details

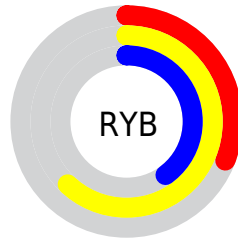
The XYZ color **23.8011, 30.5117, 12.0320** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.6487, 10.9795, 34.1499**, and the grayscale version is **26.1091, 27.4688, 29.9135**.

A 20% lighter version of the original color is **49.3110, 60.6520, 30.2271**, and **9.1642, 12.6579, 3.1885** is the 20% darker color. If you saturate the color by 10%, you get **22.5400, 29.9216, 9.3050**, and if you desaturate by 10%, it is **25.2366, 31.1776, 15.4910**.

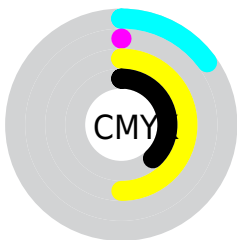
Distribution



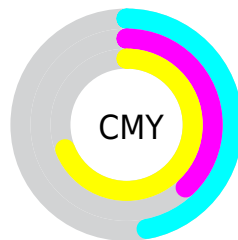
- Red (53%)
- Green (62%)
- Blue (31%)



- Red (31%)
- Yellow (62%)
- Blue (40%)



- Cyan (15%)
- Magenta (0%)
- Yellow (50%)
- Black (38%)



- Cyan (47%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8011, 30.5117, 12.0320 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 23.8011, 30.5117, 12.0320 by changing the saturation by 10% instead.

■ 23.8011, 30.5117,
12.0320

■ 23.8011, 30.5117,
12.0320

264.2725,
304.2824, 215.6024

■ 15.3101, 20.2273,
6.6427

■ 49.1625, 60.4705,
30.2186

■ 9.1250, 12.5604,
3.1646

■ 66.7635, 80.9136,
43.8530

■ 4.8806, 7.1265,
1.1793

■ 88.1320, 105.5118,
61.0729

■ 2.2114, 3.5414,
0.0000

■ 113.6332,
134.6495, 82.2967

■ 0.7487, 1.4205,
0.0000

■ 143.6325,
168.7110, 107.9430

■ 0.0000, 0.2317,
0.0000

178.4952,

■ 0.0000, 0.0000,

208.0807, 138.4304

0.0000

218.5868,
253.1430, 174.1773

■ 23.8011, 30.5117,
12.0320

■ 23.8011, 30.5117,
12.0320

■ 22.5400, 29.9216,
9.3050

■ 25.2366, 31.1776,
15.4910

■ 21.4405, 29.3990,
7.2552

■ 26.8536, 31.9192,
19.7277

■ 20.4916, 28.9406,
5.8233

■ 28.6618, 32.7412,
24.7865

■ 19.6793, 28.5406,
4.9387

■ 30.6690, 33.6470,
30.7075

■ 18.9917, 28.1964,
4.4415

■ 32.8830, 34.6396,
37.5287

■ 35.3108, 35.7221,
45.2854

■ 37.9592, 36.8970,
54.0112

■ 40.8347, 38.1670,
63.7381

■ 43.9435, 39.5347,
74.4964

Harmonies

Analogous

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



29.1958, 30.5117, 10.0641



23.8011, 30.5117, 12.0320



20.2632, 30.5117, 19.0615

Triad

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



23.8011, 30.5117, 12.0320



23.5064, 30.5117, 69.9324



41.9955, 30.5117, 33.7834

Complementary

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



23.8011, 30.5117, 12.0320



14.6487, 10.9795, 34.1499

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.



39.9454, 30.5117, 53.0788



23.8011, 30.5117, 12.0320



28.8060, 30.5117, 77.8761

Square

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



23.8011, 30.5117, 12.0320



20.1101, 30.5117, 51.7684



34.9067, 30.5117, 70.8533



40.1871, 30.5117, 19.7369

Rectangle

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



23.8011, 30.5117, 12.0320



19.1647, 30.5117, 27.3706



34.9067, 30.5117, 70.8533



41.7305, 30.5117, 39.8532

Sweetspot

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



23.8018, 30.5131, 12.0326



53.0902, 59.4300, 49.5233



20.5607, 17.6369, 9.7181



11.8098, 13.3265, 10.6972



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.



23.8018, 30.5131, 12.0326



40.1914, 53.5021, 16.3155



18.5297, 27.7952, 11.7859



6.9762, 7.6204, 7.0889



15.0429, 22.2916, 3.5099



0.3093, 0.4194, 0.0646

Inverse Universe

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



14.6487, 10.9795, 34.1499



21.9904, 14.5906, 60.4007



20.3828, 13.9356, 34.4182



6.4626, 6.5269, 8.3259



5.9326, 2.4874, 26.0747



0.1458, 0.0650, 0.4681

Previews

White Background



This preview shows how the XYZ color 23.8011, 30.5117, 12.0320 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 23.8011, 30.5117, 12.0320 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 23.8011, 30.5117, 12.0320

Background



This preview shows how black text looks on a background with the XYZ color 23.8011, 30.5117, 12.0320.



This preview shows how white text looks on a background with the XYZ color 23.8011, 30.5117,

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

23.8011, 30.5117, 12.0320

Protanopia

27.7279, 30.3338, 11.2311

Deuteranopia

30.9122, 30.3367, 12.4099



Tritanopia

29.1050, 30.4411, 38.5241

Trichromacy



Original Color

23.8011, 30.5117, 12.0320

Protanomaly

26.0572, 30.1883, 11.4747

Deuteranomaly

27.9963, 30.2111, 12.3384

Tritanomaly

26.5406, 30.1111, 26.2430

Monochromacy



Original Color

23.8011, 30.5117, 12.0320

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.9528, 28.4264, 21.9410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8011, 30.5117, 12.0320 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(135, 159, 79)` looks like.

```
.text, #text, p{  
    color:rgb(135, 159, 79)  
}
```

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(135, 159, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 159, 79) }
```

Border

The CSS property to change the border of an element to XYZ 23.8011, 30.5117, 12.0320 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(135, 159, 79) }
```


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

```
.border{ border-color:rgb(135, 159, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 159, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 159, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 159, 79);  
box-shadow:4px 4px 4px 4px rgb(135, 159,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8011, 30.5117, 12.0320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 159, 79) }
```

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

```
.background{ background-color: rgb(135,  
159, 79) }
```

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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