

Converting Colors

XYZ(21.3999, 30.4569, 12.9602)

Have a look what the booklet for
XYZ(21.3999, 30.4569, 12.9602)
contains.

XYZ(21.5189, 30.6202, 12.9597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5189, 30.6202,
12.9597)**

Conversions

Conversions Part 1

Format	Color
Hex	70A453
RGB	112, 164, 83
RGB Percent	44%, 64%, 33%
CMY	0.5608, 0.3568, 0.6745
CMYK	0.32, 0.00, 0.49, 0.36
HSL	99°, 33%, 48%
HSV	99°, 49%, 64%
XYZ	21.5189, 30.6202, 12.9597
YIQ	139.2180, -4.9910, -36.2150

Conversions

Conversions Part 2

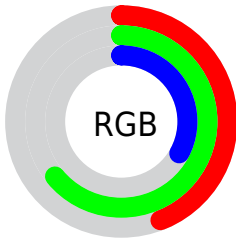
Format	Color
RYB	83, 164, 135
Decimal	7382099
CIELab	62.19, -32.27, 36.42
CIELCh	62, 48.659, 131.538
Yxy	30.6202, 0.3306, 0.4704
Android (android.graphics.Color)	4285572179 (0xFF70A453)
YUV	139.2180, -27.7155, -23.8702
Hunter-Lab	55.3355, -27.4220, 24.8490

Details

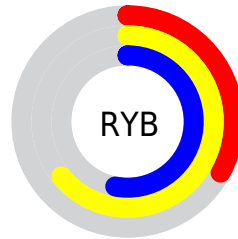
The XYZ color **21.5189, 30.6202, 12.9597** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19.7871, 14.0186, 36.7866**, and the grayscale version is **24.7302, 26.0181, 28.3338**.

A 20% lighter version of the original color is **45.3605, 60.4913, 31.8395**, and **7.9464, 12.6645, 3.5390** is the 20% darker color. If you saturate the color by 10%, you get **19.6971, 29.7467, 9.9513**, and if you desaturate by 10%, it is **23.6487, 31.6371, 16.7656**.

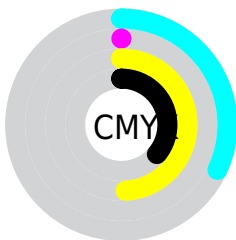
Distribution



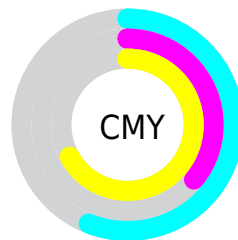
- Red (44%)
- Green (64%)
- Blue (33%)



- Red (33%)
- Yellow (64%)
- Blue (53%)



- Cyan (32%)
- Magenta (0%)
- Yellow (49%)
- Black (36%)



- Cyan (56%)
- Magenta (36%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5189, 30.6202, 12.9597 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 21.5189, 30.6202, 12.9597 by changing the saturation by 10% instead.

■ 21.5189, 30.6202,
12.9597

■ 21.5189, 30.6202,
12.9597

252.7033,
304.7848, 221.8580

■ 13.6184, 20.3098,
7.2704

■ 45.4343, 60.6416,
31.9215

■ 7.9357, 12.6204,
3.5508

■ 62.1800, 81.1214,
46.0311

■ 4.1053, 7.1677,
1.3823

■ 82.6049, 105.7599,
63.7845

■ 1.7619, 3.5672,
0.1278

■ 107.0742,
134.9413, 85.6003

■ 0.4945, 1.4345,
0.0000

■ 135.9533,
169.0501, 111.8970

■ 0.0000, 0.2420,
0.0000

169.6076,

■ 0.0000, 0.0000,

208.4707, 143.0931

0.0000

208.4025,
253.5874, 179.6073

■ 21.5189, 30.6202,
12.9597

■ 21.5189, 30.6202,
12.9597

■ 19.6971, 29.7467,
9.9513

■ 23.6487, 31.6371,
16.7656

■ 18.1649, 29.0054,
7.6817

■ 26.0991, 32.7999,
21.4183

■ 16.9052, 28.3901,
6.0872


■ 28.8846, 34.1159,
26.9654


■ 15.8979, 27.8917,
5.0926


■ 32.0179, 35.5909,
33.4503

■ 15.1063, 27.4951,
4.5396


■ 35.5114, 37.2303,
40.9137

 15.0628, 27.4732,
4.5090

 39.3766, 39.0392,
49.3938

 43.6244, 41.0224,
58.9268

 48.2655, 43.1847,
69.5472

 53.3098, 45.5306,
81.2878

Harmonies

Analogous

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



26.6543, 30.6202, 9.0017



21.5189, 30.6202, 12.9597



18.7088, 30.6202, 23.1638

Triad

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



21.5189, 30.6202, 12.9597



25.2911, 30.6202, 80.6497



43.2852, 30.6202, 26.6278

Complementary

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



21.5189, 30.6202, 12.9597



19.7871, 14.0186, 36.7866

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.



42.7737, 30.6202, 46.1306



21.5189, 30.6202, 12.9597



31.6985, 30.6202, 82.7008

Square

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



21.5189, 30.6202, 12.9597



20.6504, 30.6202, 63.4690



38.2890, 30.6202, 68.3244



39.5964, 30.6202, 14.6725

Rectangle

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



21.5189, 30.6202, 12.9597



18.2330, 30.6202, 34.3183



38.2890, 30.6202, 68.3244



43.6120, 30.6202, 32.3808

Sweetspot

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



21.5197, 30.6215, 12.9604



54.6865, 62.9876, 53.5694



25.4390, 25.6515, 11.7945



11.7129, 13.6560, 11.2124



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.5197, 30.6215, 12.9604



35.5344, 53.8879, 17.7225



18.8551, 29.1959, 15.1848



7.2137, 8.0127, 7.5465



11.5969, 21.0889, 3.4593



0.2939, 0.4690, 0.0750

Inverse Universe

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



19.7871, 14.0186, 36.7866



31.9912, 20.2458, 65.9740



24.1706, 16.3863, 32.1141



7.1172, 7.0748, 8.8935



9.6840, 4.3988, 27.2684



0.2521, 0.1175, 0.5752

Previews

White Background



This preview shows how the XYZ color 21.5189, 30.6202, 12.9597 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 21.5189, 30.6202, 12.9597 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 21.5189, 30.6202, 12.9597

Background



This preview shows how black text looks on a background with the XYZ color 21.5189, 30.6202, 12.9597.



This preview shows how white text looks on a background with the XYZ color 21.5189, 30.6202,

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

21.5189, 30.6202, 12.9597

Protanopia

27.7985, 30.3621, 11.6031

Deuteranopia

30.8753, 30.2946, 13.4527



Tritanopia

27.1538, 30.5927, 41.0330

Trichromacy



Original Color

21.5189, 30.6202, 12.9597

Protanomaly

25.0234, 30.1329, 12.0868

Deuteranomaly

26.6510, 29.9732, 13.1848

Tritanomaly

24.4165, 30.2244, 27.8396

Monochromacy



Original Color

21.5189, 30.6202, 12.9597

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.9729, 27.1788, 21.4880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5189, 30.6202, 12.9597 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(112, 164, 83)` looks like.

```
.text, #text, p{  
    color:rgb(112, 164, 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(112, 164, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 164, 83) }
```

Border

The CSS property to change the border of an element to XYZ 21.5189, 30.6202, 12.9597 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(112, 164, 83) }
```


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

```
.border{ border-color:rgb(112, 164, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 164, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 164, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 164, 83);  
box-shadow:4px 4px 4px 4px rgb(112, 164,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5189, 30.6202, 12.9597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 164, 83) }
```

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

```
.background{ background-color: rgb(112,  
164, 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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