

Converting Colors

XYZ(30.0453, 39.7610, 12.6361)

Have a look what the booklet for
XYZ(30.0453, 39.7610, 12.6361)
contains.

XYZ(30.1543, 39.9317, 12.5969)	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(30.1543, 39.9317,
12.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	95B54A
RGB	149, 181, 74
RGB Percent	58%, 71%, 29%
CMY	0.4157, 0.2902, 0.7098
CMYK	0.18, 0.00, 0.59, 0.29
HSL	78°, 42%, 50%
HSV	78°, 59%, 71%
XYZ	30.1543, 39.9317, 12.5969
YIQ	159.2340, 15.2750, -40.0610

Conversions

Conversions Part 2

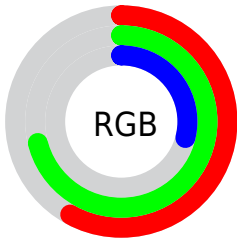
Format	Color
RYB	74, 181, 106
Decimal	9811274
CIELab	69.42, -27.18, 49.82
CIELCh	69, 56.754, 118.612
Yxy	39.9317, 0.3647, 0.4829
Android (android.graphics.Color)	4288001354 (0xFF95B54A)
YUV	159.2340, -42.0204, -8.9752
Hunter-Lab	63.1915, -25.4070, 32.4149

Details

The XYZ color **30.1543, 39.9317, 12.5969** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.7348, 11.2991, 45.0173**, and the grayscale version is **33.2442, 34.9755, 38.0883**.

A 20% lighter version of the original color is **59.2269, 75.0539, 31.1039**, and **12.5560, 17.9183, 3.4129** is the 20% darker color. If you saturate the color by 10%, you get **28.6655, 39.2261, 9.7895**, and if you desaturate by 10%, it is **31.8663, 40.7347, 16.3321**.

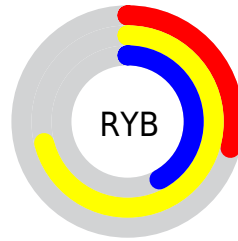
Distribution



Red (58%)

Green (71%)

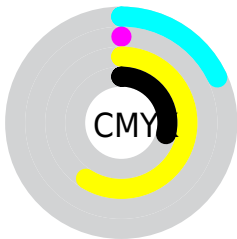
Blue (29%)



Red (29%)

Yellow (71%)

Blue (42%)

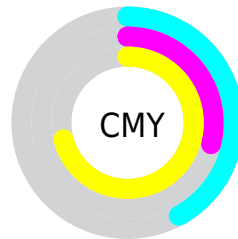


Cyan (18%)

Magenta (0%)

Yellow (59%)

Black (29%)



Cyan (42%)


Magenta (29%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1543, 39.9317, 12.5969 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 30.1543, 39.9317, 12.5969 by changing the saturation by 10% instead.


 30.1543, 39.9317,
12.5969


 30.1543, 39.9317,
12.5969


294.5200,
345.8356, 219.4342


 20.1044, 27.4853,
7.0241


 59.2911, 75.0595,
31.2582


 12.5797, 17.9380,
3.3985


 79.1086, 98.5097,
45.1837


 7.2147, 10.9055,
1.3015


 102.9128,
126.3966, 62.7306

 3.6443, 6.0033,
0.0631

 131.0689,
159.1046, 84.3174

 1.5029, 2.8471,
0.0000

 163.9423,
197.0181, 110.3626

 0.3278, 1.0524,
0.0000

201.8984,

 0.0000, 0.0000,

240.5215, 141.2848

0.0000

245.3025,
289.9992, 177.5025

■ 30.1543, 39.9317,
12.5969

■ 30.1543, 39.9317,
12.5969

■ 28.6655, 39.2261,
9.7895

■ 31.8663, 40.7347,
16.3321

■ 27.3811, 38.6061,
7.8256

■ 33.8131, 41.6356,
21.0646

■ 26.2830, 38.0658,
6.6102

■ 36.0085, 42.6413,
26.8601

■ 25.3372, 37.5915,
5.9665

■ 38.4643, 43.7567,
33.7783

■ 25.2570, 37.5511,
5.9169

■ 41.1915, 44.9863,
41.8740

■ 44.2006, 46.3343,
51.1988

■ 47.5013, 47.8046,
61.8011

■ 51.1027, 49.4010,
73.7265

■ 55.0136, 51.1270,
87.0187

Harmonies

Analogous

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



38.3806, 39.9317, 10.1015



30.1543, 39.9317, 12.5969



24.8563, 39.9317, 22.2022

Triad

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



30.1543, 39.9317, 12.5969



29.5270, 39.9317, 102.0510



58.3424, 39.9317, 44.7079

Complementary

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



30.1543, 39.9317, 12.5969



16.7348, 11.2991, 45.0173

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.



54.9944, 39.9317, 75.2642



30.1543, 39.9317, 12.5969



37.5303, 39.9317, 115.5732

Square

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



30.1543, 39.9317, 12.5969



24.5371, 39.9317, 72.2644



46.9943, 39.9317, 104.2167



55.5406, 39.9317, 23.5770

Rectangle

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



30.1543, 39.9317, 12.5969



23.2174, 39.9317, 34.2899



46.9943, 39.9317, 104.2167



57.8901, 39.9317, 54.1781

Sweetspot

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



30.1552, 39.9335, 12.5977



69.2644, 78.5349, 61.5937



25.2758, 20.2840, 9.0622



14.6844, 16.8447, 12.4870



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.1552, 39.9335, 12.5977



50.5927, 69.8925, 16.2984



22.7106, 36.0956, 12.2493



8.9446, 9.7765, 9.0682



17.4831, 25.9230, 4.0822



0.6055, 0.8442, 0.1310

Inverse Universe

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



16.7348, 11.2991, 45.0173



24.4584, 13.9548, 79.6991



24.8553, 15.4853, 45.3973



8.2730, 8.3493, 10.6819



6.8659, 2.8753, 30.3301



0.2764, 0.1216, 0.9571

Previews

White Background



This preview shows how the XYZ color 30.1543, 39.9317, 12.5969 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 30.1543, 39.9317, 12.5969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

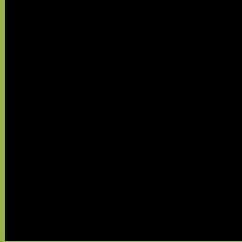
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1543, 39.9317, 12.5969

Background



This preview shows how black text looks on a background with the XYZ color 30.1543, 39.9317, 12.5969.



This preview shows how white text looks on a background with the XYZ color 30.1543, 39.9317,

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

30.1543, 39.9317, 12.5969

Protanopia

36.0643, 39.5222, 11.6890

Deuteranopia

40.4873, 39.6242, 13.1037



Tritanopia

37.8223, 39.8497, 50.4981

Trichromacy



Original Color

30.1543, 39.9317, 12.5969

Protanomaly

33.5688, 39.3537, 11.9576

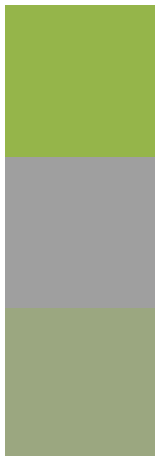
Deuteranomaly

35.8713, 39.1201, 12.8680

Tritanomaly

33.9986, 39.4234, 31.8042

Monochromacy



Original Color

30.1543, 39.9317, 12.5969

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.2326, 36.1645, 25.7564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1543, 39.9317, 12.5969 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(149, 181, 74)` looks like.

```
.text, #text, p{  
    color:rgb(149, 181, 74)  
}
```

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(149, 181, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 181, 74) }
```

Border

The CSS property to change the border of an element to XYZ 30.1543, 39.9317, 12.5969 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(149, 181, 74) }
```


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

```
.border{ border-color:rgb(149, 181, 74) }
```

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

Here you see how a box with a 4 pixel rgb(149, 181, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 181, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 181, 74);  
box-shadow:4px 4px 4px 4px rgb(149, 181,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1543, 39.9317, 12.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 181, 74) }
```

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

```
.background{ background-color: rgb(149,  
181, 74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor