

Converting Colors

XYZ(31.0734, 42.2341, 3.1357)

Have a look what the booklet for
XYZ(31.0734, 42.2341, 3.1357)
contains.

XYZ(31.6595, 42.3869, 6.5129)	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(31.6595, 42.3869,
6.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	9EBA00
RGB	158, 186, 0
RGB Percent	62%, 73%, 0%
CMY	0.3804, 0.2706, 0.9999
CMYK	0.15, 0.00, 1.00, 0.27
HSL	69°, 100%, 36%
HSV	69°, 100%, 73%
XYZ	31.6595, 42.3869, 6.5129
YIQ	156.4240, 43.0180, -63.7820

Conversions

Conversions Part 2

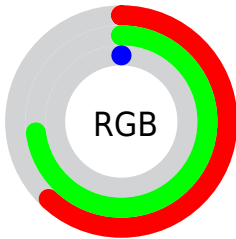
Format	Color
RYB	0, 186, 28
Decimal	10402304
CIELab	71.14, -28.99, 72.02
CIELCh	71, 77.636, 111.928
Yxy	42.3869, 0.3930, 0.5262
Android (android.graphics.Color)	4288592384 (0xFF9EBA00)
YUV	156.4240, -77.1170, 1.3822
Hunter-Lab	65.1052, -27.1328, 39.6425

Details

The XYZ color **31.6595, 42.3869, 6.5129** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.3432, 3.7931, 46.6966**, and the grayscale version is **32.1126, 33.7850, 36.7918**.

A 20% lighter version of the original color is **61.5190, 78.6824, 19.5342**, and **13.7544, 19.5418, 3.0470** is the 20% darker color. If you saturate the color by 10%, you get **31.6597, 42.3885, 6.5131**, and if you desaturate by 10%, it is **32.3320, 42.7218, 7.1413**.

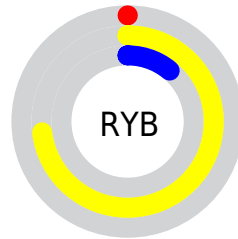
Distribution



Red (62%)

Green (73%)

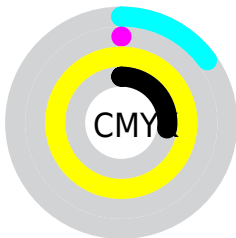
Blue (0%)



Red (0%)

Yellow (73%)

Blue (11%)

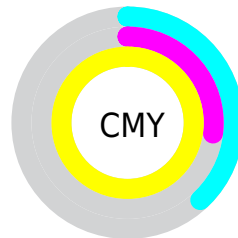


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (38%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6595, 42.3869, 6.5129 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 31.6595, 42.3869, 6.5129 by changing the saturation by 10% instead.

■ 31.6595, 42.3869,
6.5129

■ 31.6595, 42.3869,
6.5129

301.3382,
356.0843, 173.0270

■ 21.2558, 29.4044,
3.0856

■ 61.6457, 78.7848,
19.4823

■ 13.4247, 19.3869,
1.1385

■ 81.9590, 102.9690,
29.8614

■ 7.8006, 11.9502,
0.0000

■ 106.3062,
131.6559, 43.3950

■ 4.0184, 6.7098,
0.0000

■ 135.0526,
165.2299, 60.5014

■ 1.7125, 3.2813,
0.0000

■ 168.5637,
204.0753, 81.5993

■ 0.4641, 1.2803,
0.0000

■ 207.2047,

■ 0.0000, 0.1259,

248.5766, 107.1071

0.0000

251.3411,
299.1181, 137.4435

■ 0.0000, 0.0000,
0.0000

■ 31.6595, 42.3869,
6.5129

■ 31.6595, 42.3869,
6.5129

■ 31.6597, 42.3885,
6.5131

■ 32.3320, 42.7218,
7.1413

■ 33.1250, 43.1048,
8.3428

■ 34.0796, 43.5540,
10.3292

■ 35.2159, 44.0773,
13.2052

■ 36.5507, 44.6815,
17.0593

■ 38.0989, 45.3726,
21.9694

■ 39.8739, 46.1558,
28.0055

■ 41.8878, 47.0362,
35.2316

■ 44.1520, 48.0182,
43.7070

Harmonies

Analogous

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



43.8982, 42.3869, 5.3755



31.6595, 42.3869, 6.5129



23.6469, 42.3869, 14.5978

Triad

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



31.6595, 42.3869, 6.5129



26.7622, 42.3869, 128.4990



70.4301, 42.3869, 56.9452

Complementary

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



31.6595, 42.3869, 6.5129



9.3432, 3.7931, 46.6966

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.



63.3287, 42.3869, 105.8250



31.6595, 42.3869, 6.5129



36.8804, 42.3869, 159.4173

Square

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



31.6595, 42.3869, 6.5129



21.2720, 42.3869, 78.3594



50.3558, 42.3869, 149.4252



68.1906, 42.3869, 24.2574

Rectangle

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



31.6595, 42.3869, 6.5129



20.8986, 42.3869, 27.3250



50.3558, 42.3869, 149.4252



69.0105, 42.3869, 72.0951

Sweetspot

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



31.6605, 42.3888, 6.5138



72.0963, 83.5794, 50.1523



20.6642, 11.2664, 1.0861



15.5672, 18.2693, 9.9769



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.6605, 42.3888, 6.5138



57.2171, 76.7425, 11.7971



19.7476, 36.2475, 5.9563



9.6137, 10.4330, 9.6140



21.3488, 28.5420, 4.3840



0.7890, 1.0249, 0.1562

Inverse Universe

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



9.3432, 3.7931, 46.6966



16.8089, 6.8096, 84.6298



16.7362, 7.6043, 47.0426



8.6437, 8.7827, 11.3191



6.3258, 2.5723, 31.4162



0.2631, 0.1113, 1.1094

Previews

White Background



This preview shows how the XYZ color 31.6595, 42.3869, 6.5129 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 31.6595, 42.3869, 6.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

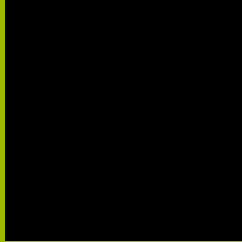
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6595, 42.3869, 6.5129

Background



This preview shows how black text looks on a background with the XYZ color 31.6595, 42.3869, 6.5129.



This preview shows how white text looks on a background with the XYZ color 31.6595, 42.3869,

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

31.6595, 42.3869, 6.5129

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

42.9293, 42.0746, 7.2251



Tritanopia

41.1468, 42.3592, 53.0212

Trichromacy



Original Color

31.6595, 42.3869, 6.5129

Protanomaly

35.2118, 41.7859, 6.2096

Deuteranomaly

38.0958, 41.8080, 6.7237

Tritanomaly

35.3986, 41.4975, 23.5969

Monochromacy



Original Color

31.6595, 42.3869, 6.5129

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.9755, 35.7064, 17.1165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6595, 42.3869, 6.5129 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(158, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 186, 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(158, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.6595, 42.3869, 6.5129 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(158, 186, 0) }
```


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

```
.border{ border-color:rgb(158, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6595, 42.3869, 6.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 186, 0) }
```

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

```
.background{ background-color: rgb(158,  
186, 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](#).

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