

Converting Colors

XYZ(24.3180, 35.2947, 5.5309)

Have a look what the booklet for
XYZ(24.3180, 35.2947, 5.5309)
contains.

XYZ(24.3832, 35.3271, 5.5337)	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(24.3832, 35.3271,
5.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	81AF00
RGB	129, 175, 0
RGB Percent	51%, 69%, 0%
CMY	0.4941, 0.3137, 0.9999
CMYK	0.26, 0.00, 1.00, 0.31
HSL	76°, 100%, 34%
HSV	76°, 100%, 69%
XYZ	24.3832, 35.3271, 5.5337
YIQ	141.2960, 28.7590, -64.1770

Conversions

Conversions Part 2

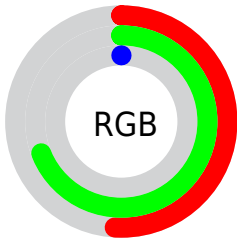
Format	Color
RYB	0, 175, 46
Decimal	8498944
CIELab	66.00, -35.76, 67.30
CIELCh	66, 76.210, 117.981
Yxy	35.3271, 0.3737, 0.5415
Android (android.graphics.Color)	4286689024 (0xFF81AF00)
YUV	141.2960, -69.6589, -10.7836
Hunter-Lab	59.4366, -30.7864, 36.0856

Details

The XYZ color **24.3832, 35.3271, 5.5337** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.8662, 3.6771, 40.8021**, and the grayscale version is **25.6927, 27.0307, 29.4364**.

A 20% lighter version of the original color is **50.1652, 68.1268, 17.5270**, and **9.7072, 15.3355, 2.4484** is the 20% darker color. If you saturate the color by 10%, you get **24.3832, 35.3283, 5.5339**, and if you desaturate by 10%, it is **25.2040, 35.7392, 6.1218**.

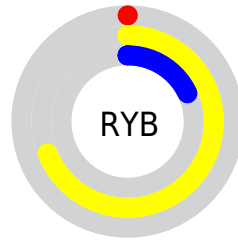
Distribution



Red (51%)

Green (69%)

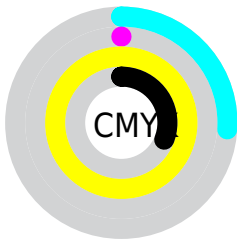
Blue (0%)



Red (0%)

Yellow (69%)

Blue (18%)

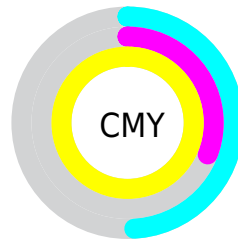


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (49%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3832, 35.3271, 5.5337 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 24.3832, 35.3271, 5.5337 by changing the saturation by 10% instead.

■ 24.3832, 35.3271,
5.5337

■ 24.3832, 35.3271,
5.5337

267.1568,
326.0098, 163.9931

■ 15.7444, 23.9150,
2.4995

■ 50.1049, 67.9922,
17.4157

■ 9.4332, 15.2705,
0.8399

■ 67.9186, 90.0139,
27.1007

■ 5.0841, 9.0095,
0.0000

■ 89.5212, 116.3410,
39.8396

■ 2.3320, 4.7474,
0.0000

■ 115.2782,
147.3577, 56.0511

■ 0.8110, 2.0998,
0.0000

■ 145.5549,
183.4486, 76.1536

■ 0.0000, 0.6645,
0.0000

■ 180.7167,

■ 0.0000, 0.0000,

224.9980, 100.5658

0.0000

221.1289,
272.3902, 129.7061

■ 24.3832, 35.3271,
5.5337

■ 24.3832, 35.3271,
5.5337

■ 24.3832, 35.3283,
5.5339

■ 25.2040, 35.7392,
6.1218

■ 26.1490, 36.2035,
7.2013

■ 27.2558, 36.7362,
8.9647

■ 28.5419, 37.3444,
11.5014

■ 30.0220, 38.0340,
14.8875

■ 31.7093, 38.8103,
19.1899

■ 33.6155, 39.6781,
24.4689

■ 35.7514, 40.6418,
30.7794

■ 38.1271, 41.7053,
38.1726

Harmonies

Analogous

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



34.3482, 35.3271, 3.7760



24.3832, 35.3271, 5.5337



18.3236, 35.3271, 14.0134

Triad

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



24.3832, 35.3271, 5.5337



23.3282, 35.3271, 118.9802



60.2960, 35.3271, 40.6981

Complementary

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



24.3832, 35.3271, 5.5337



8.8662, 3.6771, 40.8021

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.



55.5641, 35.3271, 81.7674



24.3832, 35.3271, 5.5337



32.8181, 35.3271, 140.1287

Square

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



24.3832, 35.3271, 5.5337



17.8175, 35.3271, 75.6524



44.8332, 35.3271, 123.6926



56.6413, 35.3271, 16.0397

Rectangle

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



24.3832, 35.3271, 5.5337



16.4993, 35.3271, 26.9123



44.8332, 35.3271, 123.6926



59.6151, 35.3271, 52.9257

Sweetspot

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



24.3840, 35.3287, 5.5345



60.0104, 70.9719, 43.2756



18.5722, 10.8983, 1.1252



13.0156, 15.6279, 8.7106



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.3840, 35.3287, 5.5345



43.4517, 63.1572, 9.9004



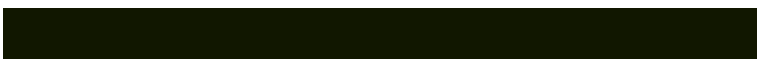
16.3595, 31.1919, 5.1589



8.4541, 9.2227, 8.5479



17.5207, 25.3293, 3.9656



0.5351, 0.7292, 0.1125

Inverse Universe

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



8.8662, 3.6771, 40.8021



15.7016, 6.4936, 73.0627



17.1385, 7.9416, 41.1892



7.7690, 7.8552, 10.0594



6.3992, 2.6588, 29.2204



0.2297, 0.1006, 0.8153

Previews

White Background



This preview shows how the XYZ color 24.3832, 35.3271, 5.5337 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 24.3832, 35.3271, 5.5337 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 24.3832, 35.3271, 5.5337

Background



This preview shows how black text looks on a background with the XYZ color 24.3832, 35.3271, 5.5337.



This preview shows how white text looks on a background with the XYZ color 24.3832, 35.3271,

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

24.3832, 35.3271, 5.5337

Protanopia

31.3932, 34.8449, 5.0711

Deuteranopia

35.5901, 34.9838, 6.3156



Tritanopia

32.6107, 35.3487, 46.1785

Trichromacy



Original Color

24.3832, 35.3271, 5.5337

Protanomaly

28.1531, 34.4873, 5.1729

Deuteranomaly

30.3854, 34.3097, 5.7304

Tritanomaly

27.3908, 34.2963, 20.5054

Monochromacy



Original Color

24.3832, 35.3271, 5.5337

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.5532, 28.8390, 13.9980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3832, 35.3271, 5.5337 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(129, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 175, 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(129, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.3832, 35.3271, 5.5337 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(129, 175, 0) }
```


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

```
.border{ border-color:rgb(129, 175, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 175, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3832, 35.3271, 5.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 175, 0) }
```

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

```
.background{ background-color: rgb(129,  
175, 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