

Converting Colors

$Y_{xy}(36.3627, 0.3373, 0.5628)$

Have a look what the booklet for
Yxy(36.3627, 0.3373, 0.5628)
contains.

Yxy(36.3435, 0.3372, 0.5631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.3435, 0.3372, 0.5631)

Conversions

Conversions Part 1

Format	Color
Hex	5FB712
RGB	95, 183, 18
RGB Percent	37%, 72%, 7%
CMY	0.6273, 0.2824, 0.9299
CMYK	0.48, 0.00, 0.90, 0.28
HSL	92°, 82%, 39%
HSV	92°, 90%, 72%
XYZ	21.7635, 36.3435, 6.4348
YIQ	137.8780, 0.5170, -69.9710

Conversions

Conversions Part 2

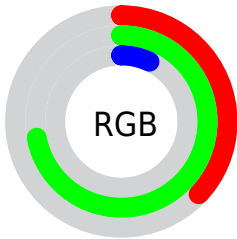
Format	Color
RYB	18, 183, 106
Decimal	6272786
CIELab	66.78, -50.93, 64.82
CIELCh	67, 82.435, 128.153
Yxy	36.3435, 0.3372, 0.5631
Android (android.graphics.Color)	4284462866 (0xFF5FB712)
YUV	137.8780, -59.0999, -37.6040
Hunter-Lab	60.2856, -41.0600, 35.8713

Details

The Yxy color **36.3435, 0.3372, 0.5631** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6.9033, 0.2194, 0.1031**, and the grayscale version is **25.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7326, 0.3398, 0.5163**, and **15.9617, 0.3100, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **35.8220, 0.3323, 0.5744**, and if you desaturate by 10%, it is **36.9857, 0.3408, 0.5467**.

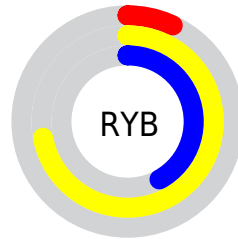
Distribution



Red (37%)

Green (72%)

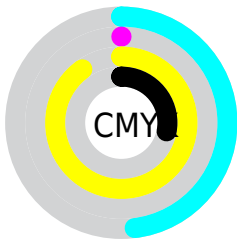
Blue (7%)



Red (7%)

Yellow (72%)

Blue (42%)

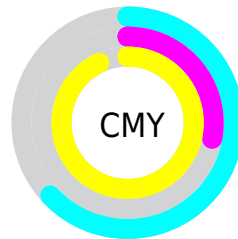


Cyan (48%)

Magenta (0%)

Yellow (90%)

Black (28%)



Cyan (63%)


Magenta (28%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3435, 0.3372, 0.5631 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 Yxy color 36.3435, 0.3372, 0.5631 by changing the saturation by 10% instead.

 36.3435, 0.3372,
0.5631


 36.3435, 0.3372,
0.5631


330.4594, 0.3356,
0.4367


 24.6996, 0.3322,
0.5946


 69.5619, 0.3402,
0.5164


 15.8534, 0.3221,
0.6334


 91.9052, 0.3402,
0.4989

 9.4205, 0.3077,
0.6923


 118.5838, 0.3397,
0.4842

 5.0164, 0.2650,
0.7350

 149.9820, 0.3390,
0.4718

 2.2569, 0.1880,
0.8120

 186.4843, 0.3382,
0.4611

 0.7508, 0.0000,
1.0000

 228.4751, 0.3373,

 0.0000, 0.0000,

0.4518

0.0000

276.3386, 0.3365,
0.4438

■ 36.3435, 0.3372,
0.5631

■ 36.3435, 0.3372,
0.5631

■ 35.8220, 0.3323,
0.5744

■ 36.9857, 0.3408,
0.5467

■ 37.7513, 0.3424,
0.5250

■ 38.6515, 0.3419,
0.4990

■ 39.6949, 0.3395,
0.4702

■ 40.8893, 0.3356,
0.4402

■ 42.2416, 0.3307,
0.4103

■ 43.7583, 0.3250,
0.3815

■ 45.4457, 0.3190,
0.3544

■ 47.3093, 0.3129,
0.3295

Harmonies

Analogous

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



36.3435, 0.4421, 0.5140



36.3435, 0.3372, 0.5631



36.3435, 0.2318, 0.5031

Triad

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



36.3435, 0.3372, 0.5631



36.3435, 0.1280, 0.1763



36.3435, 0.4890, 0.2773

Complementary

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



36.3435, 0.3372, 0.5631



6.9033, 0.2194, 0.1031

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.



36.3435, 0.3657, 0.2148



36.3435, 0.3372, 0.5631



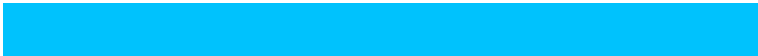
36.3435, 0.1669, 0.1594

Square

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



36.3435, 0.3372, 0.5631



36.3435, 0.1228, 0.2358



36.3435, 0.2460, 0.1734



36.3435, 0.5487, 0.3499

Rectangle

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



36.3435, 0.3372, 0.5631



36.3435, 0.1757, 0.4062



36.3435, 0.2460, 0.1734



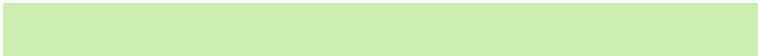
36.3435, 0.4518, 0.2549

Sweetspot

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



36.3451, 0.3372, 0.5631



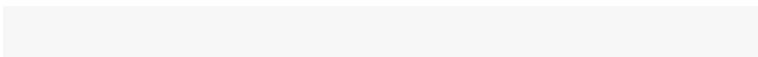
76.3785, 0.3292, 0.4021



19.8501, 0.5163, 0.4182



16.6746, 0.3310, 0.4121



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.3451, 0.3372, 0.5631



64.0218, 0.3312, 0.5752



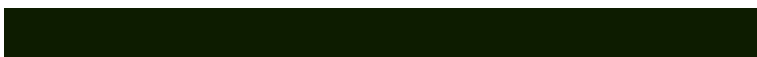
34.0476, 0.3000, 0.5900



10.2602, 0.3184, 0.3521



25.0300, 0.3332, 0.5737



0.9192, 0.3540, 0.5572

Inverse Universe

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



6.9033, 0.2194, 0.1031



10.5855, 0.2074, 0.0916



13.8017, 0.3245, 0.1599



8.9487, 0.3065, 0.3060



4.2184, 0.2101, 0.0931



0.1852, 0.2379, 0.1084

Previews

White Background



This preview shows how the Yxy color 36.3435, 0.3372, 0.5631 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 Yxy color 36.3435, 0.3372, 0.5631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

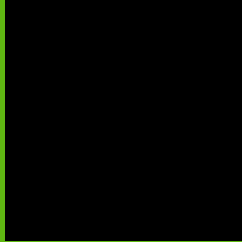
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3435, 0.3372, 0.5631

Background



This preview shows how black text looks on a background with the Yxy color 36.3435, 0.3372, 0.5631.



This preview shows how white text looks on a background with the Yxy color 36.3435, 0.3372, 0.5631.

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

36.3435, 0.3372, 0.5631

Protanopia

35.7989, 0.4391, 0.4875

Deuteranopia

35.6322, 0.4608, 0.4510



Tritanopia

36.1321, 0.2608, 0.3076

Trichromacy



Original Color

36.3435, 0.3372, 0.5631

Protanomaly

35.2554, 0.3976, 0.5190

Deuteranomaly

34.5477, 0.4126, 0.4942

Tritanomaly

35.4302, 0.2974, 0.4149

Monochromacy



Original Color

36.3435, 0.3372, 0.5631

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

28.0569, 0.3348, 0.4348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3435, 0.3372, 0.5631 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(95, 183, 18)` looks like.

```
.text, #text, p{  
    color:rgb(95, 183, 18)  
}
```

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(95, 183, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 183, 18) }
```

Border

The CSS property to change the border of an element to Yxy 36.3435, 0.3372, 0.5631 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(95, 183, 18) }
```

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

```
.border{ border-color:rgb(95, 183, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 183, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 183, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 183, 18);  
box-shadow:4px 4px 4px 4px rgb(95, 183,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3435, 0.3372, 0.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 183, 18) }
```

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

```
.background{ background-color: rgb(95, 183,  
18) }
```

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