

Converting Colors

$Yxy(34.9630, 0.3372, 0.5586)$

Have a look what the booklet for
Yxy(34.9630, 0.3372, 0.5586)
contains.

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Color

Yxy(35.1414, 0.3373, 0.5589)

Conversions

Conversions Part 1

Format	Color
Hex	5FB418
RGB	95, 180, 24
RGB Percent	37%, 71%, 9%
CMY	0.6273, 0.2941, 0.9060
CMYK	0.47, 0.00, 0.87, 0.29
HSL	93°, 77%, 40%
HSV	93°, 87%, 71%
XYZ	21.2081, 35.1414, 6.5265
YIQ	136.8010, -0.5840, -66.5360

Conversions

Conversions Part 2

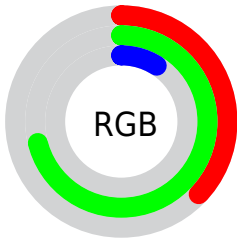
Format	Color
RYB	24, 180, 109
Decimal	6272024
CIELab	65.86, -49.57, 62.86
CIELCh	66, 80.058, 128.258
Yxy	35.1414, 0.3373, 0.5589
Android (android.graphics.Color)	4284462104 (0xFF5FB418)
YUV	136.8010, -55.6109, -36.6595
Hunter-Lab	59.2802, -39.8802, 34.9685

Details

The Yxy color **35.1414, 0.3373, 0.5589** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.1928, 0.2257, 0.1093**, and the grayscale version is **25.1538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0126, 0.3400, 0.5127**, and **15.1977, 0.3111, 0.5912** is the 20% darker color. If you saturate the color by 10%, you get **34.5977, 0.3325, 0.5718**, and if you desaturate by 10%, it is **35.8026, 0.3403, 0.5404**.

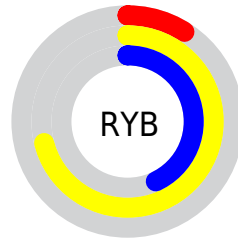
Distribution



Red (37%)

Green (71%)

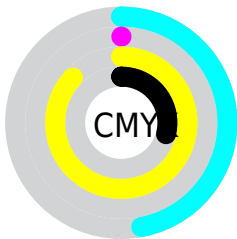
Blue (9%)



Red (9%)

Yellow (71%)

Blue (43%)

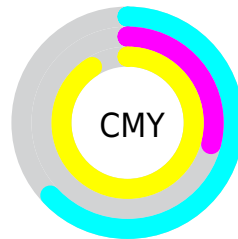


Cyan (47%)

Magenta (0%)

Yellow (87%)

Black (29%)



Cyan (63%)


Magenta (29%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1414, 0.3373, 0.5589 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 35.1414, 0.3373, 0.5589 by changing the saturation by 10% instead.

 35.1414, 0.3373,
0.5589

 35.1414, 0.3373,
0.5589


325.1920, 0.3350,
0.4339

 23.7718, 0.3326,
0.5905


 67.7048, 0.3400,
0.5124


 15.1644, 0.3229,
0.6297


 89.6673, 0.3398,
0.4951


 8.9349, 0.3094,
0.6906

 115.9297, 0.3393,
0.4806

 4.6987, 0.2661,
0.7339

 146.8762, 0.3385,
0.4683

 2.0716, 0.1812,
0.8188

 182.8913, 0.3377,
0.4579

 0.6486, 0.0000,
1.0000

 224.3594, 0.3368,

 0.0000, 0.0000,

0.4488

0.0000

271.6648, 0.3359,
0.4409

■ 35.1414, 0.3373,
0.5589

■ 35.1414, 0.3373,
0.5589

■ 34.5977, 0.3325,
0.5718

■ 35.8026, 0.3403,
0.5404

■ 34.4357, 0.3309,
0.5755

■ 36.5884, 0.3412,
0.5167

■ 37.5096, 0.3401,
0.4894

■ 38.5740, 0.3374,
0.4598

■ 39.7891, 0.3333,
0.4296

■ 41.1614, 0.3282,
0.3999

■ 42.6973, 0.3226,
0.3717

■ 44.4025, 0.3167,
0.3454

■ 46.2826, 0.3108,
0.3213

Harmonies

Analogous

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



35.1414, 0.4408, 0.5122



35.1414, 0.3373, 0.5589



35.1414, 0.2332, 0.4990

Triad

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



35.1414, 0.3373, 0.5589



35.1414, 0.1303, 0.1784



35.1414, 0.4863, 0.2786

Complementary

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



35.1414, 0.3373, 0.5589



7.1928, 0.2257, 0.1093

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.



35.1414, 0.3654, 0.2166



35.1414, 0.3373, 0.5589



35.1414, 0.1690, 0.1615

Square

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



35.1414, 0.3373, 0.5589



35.1414, 0.1252, 0.2373



35.1414, 0.2475, 0.1755



35.1414, 0.5451, 0.3507

Rectangle

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



35.1414, 0.3373, 0.5589



35.1414, 0.1777, 0.4044



35.1414, 0.2475, 0.1755



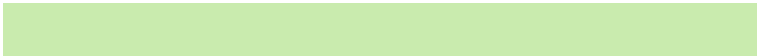
35.1414, 0.4499, 0.2563

Sweetspot

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



35.1429, 0.3373, 0.5589



74.7000, 0.3281, 0.3992



20.3219, 0.5045, 0.4226



15.9548, 0.3299, 0.4092



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.1429, 0.3373, 0.5589



62.3054, 0.3297, 0.5764



32.9253, 0.2996, 0.5829



9.6733, 0.3183, 0.3521



24.0733, 0.3318, 0.5748



0.7923, 0.3546, 0.5566

Inverse Universe

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



7.1928, 0.2257, 0.1093



10.5436, 0.2098, 0.0930



13.4419, 0.3279, 0.1640



8.4504, 0.3067, 0.3061



4.1528, 0.2126, 0.0945



0.1648, 0.2424, 0.1109

Previews

White Background



This preview shows how the Yxy color 35.1414, 0.3373, 0.5589 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 35.1414, 0.3373, 0.5589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

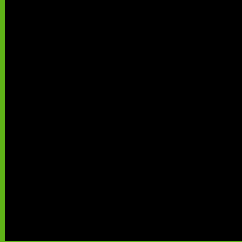
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1414, 0.3373, 0.5589

Background



This preview shows how black text looks on a background with the Yxy color 35.1414, 0.3373, 0.5589.



This preview shows how white text looks on a background with the Yxy color 35.1414, 0.3373, 0.5589.

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

35.1414, 0.3373, 0.5589

Protanopia

34.4205, 0.4376, 0.4845

Deuteranopia

34.5870, 0.4587, 0.4491



Tritanopia

34.8252, 0.2614, 0.3073

Trichromacy



Original Color

35.1414, 0.3373, 0.5589

Protanomaly

33.9838, 0.3964, 0.5150

Deuteranomaly

33.6494, 0.4110, 0.4915

Tritanomaly

34.2753, 0.2974, 0.4106

Monochromacy



Original Color

35.1414, 0.3373, 0.5589

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.7646, 0.3333, 0.4299

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1414, 0.3373, 0.5589 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, 180, 24)` looks like.

```
.text, #text, p{  
    color:rgb(95, 180, 24)  
}
```

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, 180, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 180, 24) }
```

Border

The CSS property to change the border of an element to Yxy 35.1414, 0.3373, 0.5589 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, 180, 24) }
```

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

```
.border{ border-color:rgb(95, 180, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 180, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 180, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 180, 24);  
box-shadow:4px 4px 4px 4px rgb(95, 180,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1414, 0.3373, 0.5589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 180, 24) }
```

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

```
.background{ background-color: rgb(95, 180,  
24) }
```

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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