

Converting Colors

$Y_{xy}(35.3174, 0.3279, 0.5676)$

Have a look what the booklet for
Yxy(35.3174, 0.3279, 0.5676)
contains.

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Color

Yxy(35.3528, 0.3281, 0.5675)

Conversions

Conversions Part 1

Format	Color
Hex	53B616
RGB	83, 182, 22
RGB Percent	33%, 71%, 9%
CMY	0.6745, 0.2863, 0.9138
CMYK	0.54, 0.00, 0.88, 0.29
HSL	97°, 78%, 40%
HSV	97°, 88%, 71%
XYZ	20.4392, 35.3528, 6.5037
YIQ	134.1590, -7.6440, -70.7480

Conversions

Conversions Part 2

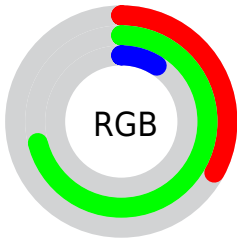
Format	Color
RYB	22, 182, 121
Decimal	5486102
CIELab	66.02, -53.99, 63.24
CIELCh	66, 83.149, 130.489
Yxy	35.3528, 0.3281, 0.5675
Android (android.graphics.Color)	4283676182 (0xFF53B616)
YUV	134.1590, -55.2944, -44.8664
Hunter-Lab	59.4582, -42.6912, 35.1355

Details

The Yxy color **35.3528, 0.3281, 0.5675** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8.0143, 0.2388, 0.1152**, and the grayscale version is **24.1102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1397, 0.3327, 0.5192**, and **15.4383, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.8335, 0.3231, 0.5801**, and if you desaturate by 10%, it is **36.0053, 0.3317, 0.5490**.

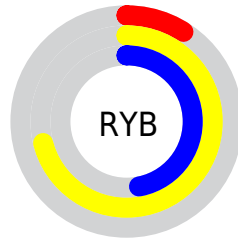
Distribution



Red (33%)

Green (71%)

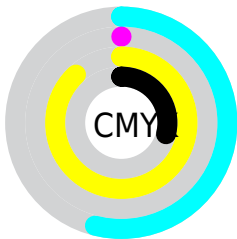
Blue (9%)



Red (9%)

Yellow (71%)

Blue (47%)

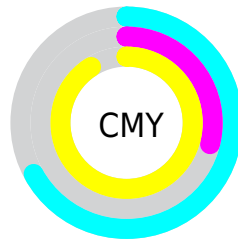


Cyan (54%)

Magenta (0%)

Yellow (88%)

Black (29%)



Cyan (67%)


Magenta (29%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3528, 0.3281, 0.5675 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 35.3528, 0.3281, 0.5675 by changing the saturation by 10% instead.


 35.3528, 0.3281,
0.5675


 35.3528, 0.3281,
0.5675


 326.1228, 0.3311,
0.4371


 23.9348, 0.3219,
0.6008


 68.0320, 0.3328,
0.5188


 15.2852, 0.3102,
0.6421


 90.0619, 0.3334,
0.5007

 9.0198, 0.2938,
0.7062


 116.3979, 0.3335,
0.4856

 4.7541, 0.2474,
0.7526

 147.4243, 0.3333,
0.4728

 2.1037, 0.1489,
0.8511

 183.5257, 0.3328,
0.4619

 0.6667, 0.0000,
1.0000

 225.0863, 0.3323,

 0.0000, 0.0000,

0.4525

0.0000

272.4905, 0.3317,
0.4443

■ 35.3528, 0.3281,
0.5675

■ 35.3528, 0.3281,
0.5675

■ 34.8335, 0.3231,
0.5801

■ 36.0053, 0.3317,
0.5490

■ 34.7376, 0.3221,
0.5824

■ 36.8016, 0.3336,
0.5249

■ 37.7540, 0.3336,
0.4967

■ 38.8719, 0.3321,
0.4662

■ 40.1640, 0.3293,
0.4350

■ 41.6383, 0.3255,
0.4044

■ 43.3021, 0.3212,
0.3754

■ 45.1624, 0.3165,
0.3486

■ 47.2258, 0.3117,
0.3241

Harmonies

Analogous

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



35.3528, 0.4352, 0.5221



35.3528, 0.3281, 0.5675



35.3528, 0.2226, 0.4967

Triad

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



35.3528, 0.3281, 0.5675



35.3528, 0.1275, 0.1715



35.3528, 0.4998, 0.2817

Complementary

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



35.3528, 0.3281, 0.5675



8.0143, 0.2388, 0.1152

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.



35.3528, 0.3770, 0.2175



35.3528, 0.3281, 0.5675



35.3528, 0.1695, 0.1573

Square

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



35.3528, 0.3281, 0.5675



35.3528, 0.1196, 0.2273



35.3528, 0.2529, 0.1737



35.3528, 0.5533, 0.3553

Rectangle

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



35.3528, 0.3281, 0.5675



35.3528, 0.1680, 0.3952



35.3528, 0.2529, 0.1737



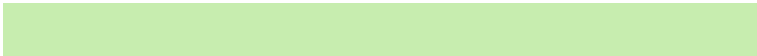
35.3528, 0.4636, 0.2588

Sweetspot

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



35.3543, 0.3281, 0.5675



75.9120, 0.3249, 0.4000



23.5956, 0.4880, 0.4389



16.5506, 0.3263, 0.4103



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.



35.3543, 0.3281, 0.5675



62.8502, 0.3210, 0.5833



33.7857, 0.2963, 0.5736



10.2225, 0.3172, 0.3522



24.5655, 0.3229, 0.5818



0.9020, 0.3446, 0.5646

Inverse Universe

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



8.0143, 0.2388, 0.1152



12.3010, 0.2260, 0.1019



13.1748, 0.3479, 0.1748



8.9871, 0.3079, 0.3060



4.8849, 0.2285, 0.1032



0.2065, 0.2526, 0.1165

Previews

White Background



This preview shows how the Yxy color 35.3528, 0.3281, 0.5675 looks on a white background.

Color Contrast Check

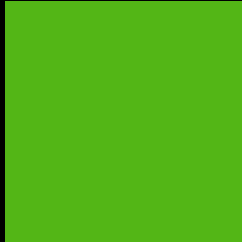
Large Text (above 18pt) WCAG AA × Fail

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 35.3528, 0.3281, 0.5675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

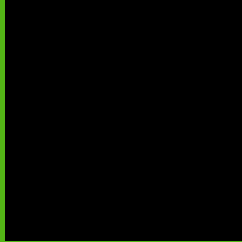
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3528, 0.3281, 0.5675

Background



This preview shows how black text looks on a background with the Yxy color 35.3528, 0.3281, 0.5675.



This preview shows how white text looks on a background with the Yxy color 35.3528, 0.3281, 0.5675.

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

35.3528, 0.3281, 0.5675

Protanopia

34.8766, 0.4381, 0.4855

Deuteranopia

34.5870, 0.4587, 0.4491



Tritanopia

35.0460, 0.2545, 0.3071

Trichromacy



Original Color

35.3528, 0.3281, 0.5675



Protanomaly

34.0655, 0.3930, 0.5193



Deuteranomaly

33.1301, 0.4060, 0.4959



Tritanomaly

34.4367, 0.2898, 0.4153

Monochromacy



Original Color

35.3528, 0.3281, 0.5675



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.5684, 0.3291, 0.4348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3528, 0.3281, 0.5675 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(83, 182, 22)` looks like.

```
.text, #text, p{  
    color:rgb(83, 182, 22)  
}
```

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(83, 182, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 182, 22) }
```

Border

The CSS property to change the border of an element to Yxy 35.3528, 0.3281, 0.5675 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(83, 182, 22) }
```

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

```
.border{ border-color:rgb(83, 182, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 182, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 182, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 182, 22);  
box-shadow:4px 4px 4px 4px rgb(83, 182,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3528, 0.3281, 0.5675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 182, 22) }
```

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

```
.background{ background-color: rgb(83, 182,  
22) }
```

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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