

Converting Colors

$Y_{xy}(36.4955, 0.3226, 0.5820)$

Have a look what the booklet for
Yxy(36.4955, 0.3226, 0.5820)
contains.

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Color

Yxy(36.4955, 0.3226, 0.5820)

Conversions

Conversions Part 1

Format	Color
Hex	48BA00
RGB	72, 186, 0
RGB Percent	28%, 73%, 0%
CMY	0.7178, 0.2706, 0.9994
CMYK	0.61, 0.00, 1.00, 0.27
HSL	97°, 100%, 37%
HSV	97°, 100%, 73%
XYZ	20.2293, 36.4955, 5.9823
YIQ	130.7100, -8.2380, -82.0140

Conversions

Conversions Part 2

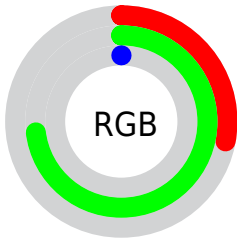
Format	Color
RYB	0, 186, 114
Decimal	4766208
CIELab	66.90, -58.79, 66.89
CIELCh	67, 89.054, 131.309
Yxy	36.4955, 0.3226, 0.5820
Android (android.graphics.Color)	4282956288 (0xFF48BA00)
YUV	130.7100, -64.4400, -51.4887
Hunter-Lab	60.4115, -45.9479, 36.4169

Details

The Yxy color **36.4955, 0.3226, 0.5820** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.1411, 0.2263, 0.1020**, and the grayscale version is **22.8273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7196, 0.3293, 0.5307**, and **16.5025, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.4929, 0.3226, 0.5821**, and if you desaturate by 10%, it is **37.0228, 0.3277, 0.5702**.

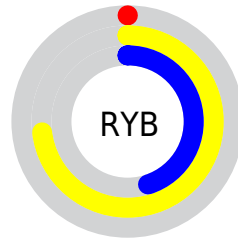
Distribution



Red (28%)

Green (73%)

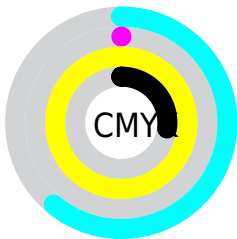
Blue (0%)



Red (0%)

Yellow (73%)

Blue (45%)

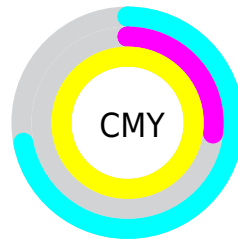


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (72%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4955, 0.3226, 0.5820 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 36.4955, 0.3226, 0.5820 by changing the saturation by 10% instead.


 36.4955, 0.3226,
0.5820


 36.4955, 0.3226,
0.5820


331.1211, 0.3300,
0.4443


 24.8171, 0.3148,
0.6165


 69.7962, 0.3294,
0.5309

 15.9409, 0.3008,
0.6588


 92.1873, 0.3306,
0.5118

 9.4823, 0.2798,
0.7202


 118.9180, 0.3312,
0.4958

 5.0571, 0.2317,
0.7683

 150.3729, 0.3313,
0.4823

 2.2808, 0.1307,
0.8693

 186.9363, 0.3311,
0.4707

 0.7635, 0.0000,
1.0000

 228.9925, 0.3308,

 0.0000, 0.0000,

0.4607

0.0000

276.9260, 0.3305,
0.4520

■ 36.4955, 0.3226,
0.5820

■ 36.4955, 0.3226,
0.5820

■ 36.4929, 0.3226,
0.5821

■ 37.0228, 0.3277,
0.5702

■ 37.6780, 0.3316,
0.5530

■ 38.4823, 0.3338,
0.5300

■ 39.4475, 0.3342,
0.5026

■ 40.5835, 0.3329,
0.4724

■ 41.8997, 0.3303,
0.4412

■ 43.4044, 0.3266,
0.4105

■ 45.1054, 0.3223,
0.3811

■ 47.0103, 0.3175,
0.3537

Harmonies

Analogous

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



36.4955, 0.4346, 0.5314



36.4955, 0.3226, 0.5820



36.4955, 0.2138, 0.5046

Triad

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



36.4955, 0.3226, 0.5820



36.4955, 0.1210, 0.1634



36.4955, 0.5133, 0.2803

Complementary

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



36.4955, 0.3226, 0.5820



7.1411, 0.2263, 0.1020

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.



36.4955, 0.3840, 0.2139



36.4955, 0.3226, 0.5820



36.4955, 0.1649, 0.1504

Square

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



36.4955, 0.3226, 0.5820



36.4955, 0.1116, 0.2188



36.4955, 0.2524, 0.1682



36.4955, 0.5655, 0.3555

Rectangle

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



36.4955, 0.3226, 0.5820



36.4955, 0.1585, 0.3940



36.4955, 0.2524, 0.1682



36.4955, 0.4756, 0.2567

Sweetspot

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



36.4970, 0.3226, 0.5820



78.4974, 0.3268, 0.4122



21.9559, 0.5116, 0.4319



17.0245, 0.3285, 0.4252



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.4970, 0.3226, 0.5820



66.0105, 0.3215, 0.5830



35.1681, 0.2981, 0.5930



10.2247, 0.3173, 0.3522



24.5895, 0.3235, 0.5814



0.9029, 0.3451, 0.5642

Inverse Universe

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



7.1411, 0.2263, 0.1020



12.7847, 0.2248, 0.1012



13.2492, 0.3478, 0.1690



8.9849, 0.3078, 0.3060



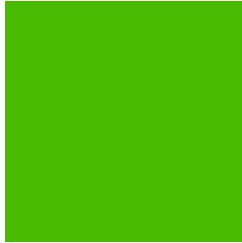
4.8429, 0.2274, 0.1026



0.2052, 0.2518, 0.1161

Previews

White Background



This preview shows how the Yxy color 36.4955, 0.3226, 0.5820 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 36.4955, 0.3226, 0.5820 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 36.4955, 0.3226, 0.5820

Background



This preview shows how black text looks on a background with the Yxy color 36.4955, 0.3226, 0.5820.



This preview shows how white text looks on a background with the Yxy color 36.4955, 0.3226, 0.5820.

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

36.4955, 0.3226, 0.5820

Protanopia

35.7857, 0.4400, 0.4888

Deuteranopia

35.6255, 0.4612, 0.4516



Tritanopia

36.3586, 0.2493, 0.3072

Trichromacy



Original Color

36.4955, 0.3226, 0.5820



Protanomaly

34.8766, 0.3898, 0.5287



Deuteranomaly

33.9490, 0.4044, 0.5057



Tritanomaly

35.4480, 0.2880, 0.4315

Monochromacy



Original Color

36.4955, 0.3226, 0.5820



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.0727, 0.3324, 0.4547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4955, 0.3226, 0.5820 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(72, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.4955, 0.3226, 0.5820 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(72, 186, 0) }
```

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

```
.border{ border-color:rgb(72, 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(72, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 186, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.4955, 0.3226, 0.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 186, 0) }
```

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

```
.background{ background-color: rgb(72, 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](#).

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