

Converting Colors

$Y_{xy}(33.0582, 0.3292, 0.5682)$

Have a look what the booklet for
Yxy(33.0582, 0.3292, 0.5682)
contains.

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Color

Yxy(33.2406, 0.3288, 0.5683)

Conversions

Conversions Part 1

Format	Color
Hex	51B113
RGB	81, 177, 19
RGB Percent	32%, 69%, 7%
CMY	0.6824, 0.3059, 0.9254
CMYK	0.54, 0.00, 0.89, 0.31
HSL	96°, 81%, 38%
HSV	96°, 89%, 69%
XYZ	19.2319, 33.2406, 6.0188
YIQ	130.2840, -6.4980, -69.4900

Conversions

Conversions Part 2

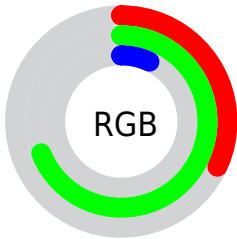
Format	Color
RYB	19, 177, 115
Decimal	5353747
CIELab	64.36, -52.82, 62.36
CIELCh	64, 81.721, 130.267
Yxy	33.2406, 0.3288, 0.5683
Android (android.graphics.Color)	4283543827 (0xFF51B113)
YUV	130.2840, -54.8630, -43.2221
Hunter-Lab	57.6547, -41.3532, 34.1688

Details

The Yxy color **33.2406, 0.3288, 0.5683** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.2883, 0.2355, 0.1126**, and the grayscale version is **22.6289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4778, 0.3336, 0.5182**, and **14.1659, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.7597, 0.3238, 0.5805**, and if you desaturate by 10%, it is **33.8402, 0.3326, 0.5506**.

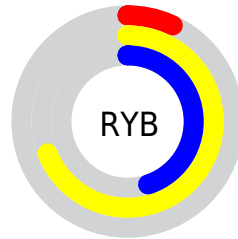
Distribution



Red (32%)

Green (69%)

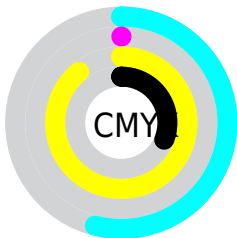
Blue (7%)



Red (7%)

Yellow (69%)

Blue (45%)

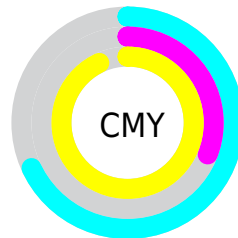


Cyan (54%)

Magenta (0%)

Yellow (89%)

Black (31%)



Cyan (68%)


Magenta (31%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2406, 0.3288, 0.5683 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 33.2406, 0.3288, 0.5683 by changing the saturation by 10% instead.


 33.2406, 0.3288,
0.5683


 33.2406, 0.3288,
0.5683


316.7325, 0.3315,
0.4363


 22.3108, 0.3224,
0.6023


 64.7510, 0.3335,
0.5187


 14.0855, 0.3102,
0.6447


 86.1004, 0.3341,
0.5004


 8.1801, 0.2916,
0.7084


 111.6918, 0.3341,
0.4851

 4.2104, 0.2430,
0.7570

 141.9096, 0.3338,
0.4722

 1.7920, 0.1098,
0.8902

 177.1381, 0.3333,
0.4613

 0.4822, 0.0000,
1.0000

 217.7619, 0.3327,

 0.0000, 0.0000,

0.4518

0.0000

264.1652, 0.3321,
0.4435

■ 33.2406, 0.3288,
0.5683

■ 33.2406, 0.3288,
0.5683

■ 32.7597, 0.3238,
0.5805

■ 33.8402, 0.3326,
0.5506

■ 32.7272, 0.3234,
0.5814

■ 34.5707, 0.3346,
0.5273

■ 35.4436, 0.3347,
0.4997

■ 36.4677, 0.3332,
0.4696

■ 37.6509, 0.3304,
0.4386

■ 39.0007, 0.3266,
0.4081

■ 40.5239, 0.3221,
0.3790

■ 42.2268, 0.3173,
0.3519

■ 44.1155, 0.3123,
0.3273

Harmonies

Analogous

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



33.2406, 0.4361, 0.5219



33.2406, 0.3288, 0.5683



33.2406, 0.2230, 0.4983

Triad

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



33.2406, 0.3288, 0.5683



33.2406, 0.1269, 0.1713



33.2406, 0.4997, 0.2810

Complementary

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



33.2406, 0.3288, 0.5683



7.2883, 0.2355, 0.1126

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.



33.2406, 0.3761, 0.2168



33.2406, 0.3288, 0.5683



33.2406, 0.1687, 0.1569

Square

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



33.2406, 0.3288, 0.5683



33.2406, 0.1193, 0.2276



33.2406, 0.2519, 0.1732



33.2406, 0.5539, 0.3546

Rectangle

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



33.2406, 0.3288, 0.5683



33.2406, 0.1681, 0.3965



33.2406, 0.2519, 0.1732



33.2406, 0.4632, 0.2581

Sweetspot

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



33.2420, 0.3288, 0.5683



70.3110, 0.3258, 0.4027



21.3865, 0.4938, 0.4356



15.0527, 0.3272, 0.4127



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.2420, 0.3288, 0.5683



58.4901, 0.3223, 0.5823



31.7053, 0.2971, 0.5782



9.6472, 0.3173, 0.3521



23.7434, 0.3242, 0.5808



0.7814, 0.3478, 0.5620

Inverse Universe

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



7.2883, 0.2355, 0.1126



11.2160, 0.2237, 0.1006



12.3945, 0.3442, 0.1719



8.4771, 0.3077, 0.3061



4.6266, 0.2262, 0.1020



0.1782, 0.2529, 0.1167

Previews

White Background



This preview shows how the Yxy color 33.2406, 0.3288, 0.5683 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 33.2406, 0.3288, 0.5683 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 33.2406, 0.3288, 0.5683

Background



This preview shows how black text looks on a background with the Yxy color 33.2406, 0.3288, 0.5683.



This preview shows how white text looks on a background with the Yxy color 33.2406, 0.3288, 0.5683.

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

33.2406, 0.3288, 0.5683

Protanopia

32.5764, 0.4394, 0.4861

Deuteranopia

32.6227, 0.4597, 0.4500



Tritanopia

33.1888, 0.2547, 0.3082

Trichromacy



Original Color

33.2406, 0.3288, 0.5683

Protanomaly

31.8862, 0.3940, 0.5201

Deuteranomaly

31.4280, 0.4077, 0.4964

Tritanomaly

32.2734, 0.2901, 0.4159

Monochromacy



Original Color

33.2406, 0.3288, 0.5683

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.0504, 0.3296, 0.4355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2406, 0.3288, 0.5683 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(81, 177, 19)` looks like.

```
.text, #text, p{  
    color:rgb(81, 177, 19)  
}
```

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(81, 177, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 177, 19) }
```

Border

The CSS property to change the border of an element to Yxy 33.2406, 0.3288, 0.5683 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(81, 177, 19) }
```

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

```
.border{ border-color:rgb(81, 177, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 177, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 177, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 177, 19);  
box-shadow:4px 4px 4px 4px rgb(81, 177,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2406, 0.3288, 0.5683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 177, 19) }
```

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

```
.background{ background-color: rgb(81, 177,  
19) }
```

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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