

Converting Colors

$Yxy(35.2098, 0.2425, 0.4814)$

Have a look what the booklet for
Yxy(35.2098, 0.2425, 0.4814)
contains.

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Color

Yxy(36.6448, 0.2645, 0.4720)

Conversions

Conversions Part 1

Format	Color
Hex	01BB6D
RGB	1, 187, 109
RGB Percent	0%, 73%, 43%
CMY	0.9980, 0.2667, 0.5726
CMYK	1.00, 0.00, 0.42, 0.27
HSL	155°, 99%, 37%
HSV	155°, 100%, 73%
XYZ	20.5351, 36.6448, 20.4574
YIQ	122.4940, -85.8180, -63.6900

Conversions

Conversions Part 2

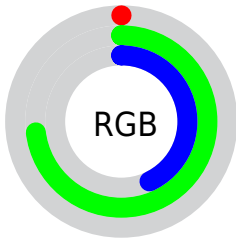
Format	Color
RYB	1, 119, 187
Decimal	113517
CIELab	67.01, -57.78, 28.57
CIELCh	67, 64.455, 153.688
Yxy	36.6448, 0.2645, 0.4720
Android (android.graphics.Color)	4278303597 (0xFF01BB6D)
YUV	122.4940, -6.6525, -106.5502
Hunter-Lab	60.5349, -45.3842, 22.3378

Details

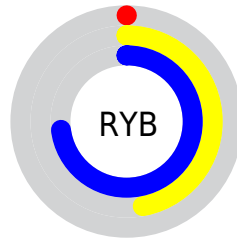
The Yxy color **36.6448, 0.2645, 0.4720** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.1327, 0.5298, 0.2694**, and the grayscale version is **19.6236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8160, 0.2759, 0.4407**, and **16.8288, 0.2752, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **36.6384, 0.2646, 0.4724**, and if you desaturate by 10%, it is **36.9596, 0.2623, 0.4563**.

Distribution



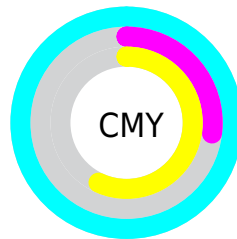
- Red (0%)
- Green (73%)
- Blue (43%)



- Red (0%)
- Yellow (47%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6448, 0.2645, 0.4720 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 36.6448, 0.2645, 0.4720 by changing the saturation by 10% instead.


 36.6448, 0.2645,
0.4720

 36.6448, 0.2645,
0.4720


 331.7701, 0.2925,
0.3920


 24.9326, 0.2560,
0.4950


 70.0261, 0.2757,
0.4407


 16.0268, 0.2441,
0.5264


 92.4641, 0.2796,
0.4297

 9.5431, 0.2265,
0.5714


 119.2460, 0.2828,
0.4206

 5.0971, 0.1983,
0.6398

 150.7564, 0.2854,
0.4130

 2.3044, 0.1386,
0.8420

 187.3796, 0.2876,
0.4065

 0.7760, 0.0000,
1.0000

 229.5001, 0.2895,

 0.0000, 0.0000,

0.4010

0.0000

277.5021, 0.2911,
0.3962

■ 36.6448, 0.2645,
0.4720

■ 36.6448, 0.2645,
0.4720

■ 36.6384, 0.2646,
0.4724

■ 36.9596, 0.2623,
0.4563

■ 37.4207, 0.2617,
0.4403

■ 38.0759, 0.2631,
0.4240

■ 38.9490, 0.2665,
0.4079

■ 40.0604, 0.2716,
0.3922

■ 41.4280, 0.2782,
0.3774

■ 43.0679, 0.2859,
0.3635

■ 44.9950, 0.2945,
0.3508

■ 47.2229, 0.3036,
0.3392

Harmonies

Analogous

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



36.6448, 0.3537, 0.5104



36.6448, 0.2645, 0.4720



36.6448, 0.1935, 0.3689

Triad

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



36.6448, 0.2645, 0.4720



36.6448, 0.1857, 0.1887



36.6448, 0.4975, 0.3443

Complementary

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



36.6448, 0.2645, 0.4720



11.1327, 0.5298, 0.2694

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.



36.6448, 0.4387, 0.2811



36.6448, 0.2645, 0.4720



36.6448, 0.2483, 0.1963

Square

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



36.6448, 0.2645, 0.4720



36.6448, 0.1558, 0.2104



36.6448, 0.3409, 0.2289



36.6448, 0.4930, 0.4119

Rectangle

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



36.6448, 0.2645, 0.4720



36.6448, 0.1654, 0.2988



36.6448, 0.3409, 0.2289



36.6448, 0.4846, 0.3225

Sweetspot

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



36.6463, 0.2645, 0.4720



76.8980, 0.2853, 0.3646



37.3035, 0.3281, 0.5775



16.6503, 0.2819, 0.3703



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.



36.6463, 0.2645, 0.4720



65.5741, 0.2652, 0.4748



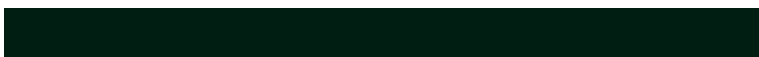
34.0813, 0.2190, 0.3081



10.7402, 0.3039, 0.3388



25.2601, 0.2640, 0.4705



1.0022, 0.2536, 0.4328

Inverse Universe

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



11.1327, 0.5298, 0.2694



19.8674, 0.5344, 0.2718



10.8518, 0.6348, 0.3338



9.6008, 0.3224, 0.3194



7.6741, 0.5275, 0.2679



0.3137, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 36.6448, 0.2645, 0.4720 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 36.6448, 0.2645, 0.4720 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 36.6448, 0.2645, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 36.6448, 0.2645, 0.4720.



This preview shows how white text looks on a background with the Yxy color 36.6448, 0.2645, 0.4720.

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

36.6512, 0.2645, 0.4720

Protanopia

36.0886, 0.3854, 0.4177

Deuteranopia

35.9335, 0.3883, 0.3805



Tritanopia

36.5153, 0.2314, 0.3051

Trichromacy



Original Color

36.6512, 0.2645, 0.4720



Protanomaly

33.6158, 0.3155, 0.4452



Deuteranomaly

32.9899, 0.3156, 0.4184



Tritanomaly

36.1919, 0.2404, 0.3613

Monochromacy



Original Color

36.6512, 0.2645, 0.4720



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.4618, 0.2746, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6448, 0.2645, 0.4720 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(1, 187, 109)` looks like.

```
.text, #text, p{  
    color:rgb(1, 187, 109)  
}
```

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(1, 187, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 187, 109) }
```

Border

The CSS property to change the border of an element to Yxy 36.6448, 0.2645, 0.4720 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(1, 187, 109) }
```

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

```
.border{ border-color:rgb(1, 187, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 187, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 187, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 187, 109);  
box-shadow:4px 4px 4px 4px rgb(1, 187,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6448, 0.2645, 0.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 187, 109) }
```

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

```
.background{ background-color: rgb(1, 187,  
109) }
```

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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