

Converting Colors

$Yxy(35.5162, 0.3070, 0.4628)$

Have a look what the booklet for
Yxy(35.5162, 0.3070, 0.4628)
contains.

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Color

Yxy(35.5276, 0.3072, 0.4627)

Conversions

Conversions Part 1

Format	Color
Hex	65B264
RGB	101, 178, 100
RGB Percent	40%, 70%, 39%
CMY	0.6039, 0.3019, 0.6079
CMYK	0.43, 0.00, 0.44, 0.30
HSL	119°, 34%, 55%
HSV	119°, 44%, 70%
XYZ	23.5878, 35.5276, 17.6678
YIQ	146.0850, -20.8540, -40.5820

Conversions

Conversions Part 2

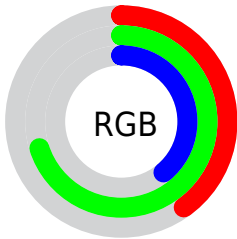
Format	Color
RYB	100, 178, 177
Decimal	6664804
CIELab	66.16, -39.92, 32.56
CIELCh	66, 51.515, 140.792
Yxy	35.5276, 0.3072, 0.4627
Android (android.graphics.Color)	4284854884 (0xFF65B264)
YUV	146.0850, -22.7199, -39.5395
Hunter-Lab	59.6050, -33.6701, 24.1491

Details

The Yxy color **35.5276, 0.3072, 0.4627** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **21.6720, 0.3164, 0.2232**, and the grayscale version is **28.8838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1806, 0.3103, 0.4335**, and **15.4871, 0.3000, 0.5130** is the 20% darker color. If you saturate the color by 10%, you get **34.3132, 0.3056, 0.4980**, and if you desaturate by 10%, it is **37.0370, 0.3087, 0.4278**.

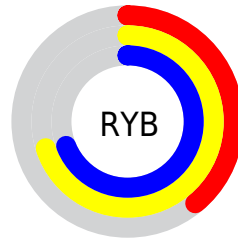
Distribution



Red (40%)

Green (70%)

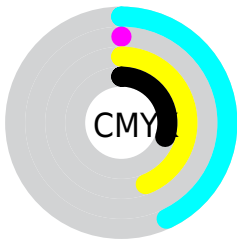
Blue (39%)



Red (39%)

Yellow (70%)

Blue (69%)

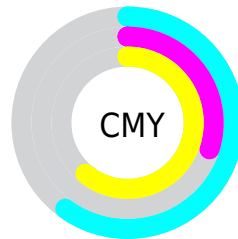


Cyan (43%)

Magenta (0%)

Yellow (44%)

Black (30%)



Cyan (60%)


Magenta (30%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5276, 0.3072, 0.4627 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 35.5276, 0.3072, 0.4627 by changing the saturation by 10% instead.

 35.5276, 0.3072,
0.4627


 35.5276, 0.3072,
0.4627


326.8910, 0.3129,
0.3886


 24.0696, 0.3045,
0.4837

 68.3023, 0.3102,
0.4340


 15.3852, 0.2999,
0.5120


 90.3878, 0.3110,
0.4237

 9.0902, 0.2919,
0.5521


 116.7845, 0.3116,
0.4153

 4.8001, 0.2764,
0.6119

 147.8769, 0.3120,
0.4082

 2.1304, 0.2541,
0.7459

184.0494, 0.3123,
0.4022

 0.6817, 0.0000,
1.0000

225.6863, 0.3125,

 0.0000, 0.0000,

0.3970

0.0000

273.1720, 0.3127,
0.3925

■ 35.5276, 0.3072,
0.4627

■ 35.5276, 0.3072,
0.4627

■ 34.3132, 0.3056,
0.4980

■ 37.0370, 0.3087,
0.4278

■ 33.3704, 0.3040,
0.5313

■ 38.8543, 0.3101,
0.3949

■ 32.6797, 0.3026,
0.5599


■ 40.9966, 0.3113,
0.3649


■ 32.2168, 0.3014,
0.5815


■ 43.4789, 0.3124,
0.3383


■ 31.9529, 0.3005,
0.5946


■ 46.3150, 0.3132,
0.3150

 31.8569, 0.3003,
0.5998

 49.5180, 0.3140,
0.2949

 53.1004, 0.3146,
0.2776

 57.0740, 0.3151,
0.2627

 60.3219, 0.3163,
0.2536

Harmonies

Analogous

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



35.5276, 0.3817, 0.4709



35.5276, 0.3072, 0.4627



35.5276, 0.2382, 0.3989

Triad

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



35.5276, 0.3072, 0.4627



35.5276, 0.1918, 0.2165



35.5276, 0.4477, 0.3213

Complementary

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



35.5276, 0.3072, 0.4627



21.6720, 0.3164, 0.2232

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.



35.5276, 0.3830, 0.2694



35.5276, 0.3072, 0.4627



35.5276, 0.2339, 0.2116

Square

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



35.5276, 0.3072, 0.4627



35.5276, 0.1777, 0.2497



35.5276, 0.3021, 0.2307



35.5276, 0.4686, 0.3787

Rectangle

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



35.5276, 0.3072, 0.4627



35.5276, 0.2046, 0.3419



35.5276, 0.3021, 0.2307



35.5276, 0.4300, 0.3030

Sweetspot

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



35.5291, 0.3072, 0.4627



74.5955, 0.3114, 0.3632



41.7121, 0.3775, 0.4335



16.3247, 0.3111, 0.3695



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.



35.5291, 0.3072, 0.4627



62.2051, 0.3056, 0.4983



36.3768, 0.2807, 0.3966



9.4952, 0.3118, 0.3525



22.7954, 0.3004, 0.5997



0.7190, 0.3018, 0.5985

Inverse Universe

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



21.6720, 0.3164, 0.2232



33.6760, 0.3171, 0.2021



20.4800, 0.3662, 0.2710



8.6410, 0.3136, 0.3065



8.8791, 0.3177, 0.1524



0.2812, 0.3187, 0.1529

Previews

White Background



This preview shows how the Yxy color 35.5276, 0.3072, 0.4627 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 35.5276, 0.3072, 0.4627 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 35.5276, 0.3072, 0.4627

Background



This preview shows how black text looks on a background with the Yxy color 35.5276, 0.3072, 0.4627.



This preview shows how white text looks on a background with the Yxy color 35.5276, 0.3072, 0.4627.

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

35.5276, 0.3072, 0.4627

Protanopia

35.0459, 0.3897, 0.4238

Deuteranopia

35.0295, 0.4002, 0.3924



Tritanopia

35.6049, 0.2612, 0.3089

Trichromacy



Original Color

35.5276, 0.3072, 0.4627

Protanomaly

34.7779, 0.3553, 0.4390

Deuteranomaly

34.2111, 0.3621, 0.4169

Tritanomaly

35.2168, 0.2783, 0.3616

Monochromacy



Original Color

35.5276, 0.3072, 0.4627

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.7845, 0.3114, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5276, 0.3072, 0.4627 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(101, 178, 100)` looks like.

```
.text, #text, p{  
    color:rgb(101, 178, 100)  
}
```

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(101, 178, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 178, 100) }
```

Border

The CSS property to change the border of an element to Yxy 35.5276, 0.3072, 0.4627 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(101, 178, 100) }
```

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

```
.border{ border-color:rgb(101, 178, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 178, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 178, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 178, 100);  
box-shadow:4px 4px 4px 4px rgb(101, 178,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5276, 0.3072, 0.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 178, 100) }
```

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

```
.background{ background-color: rgb(101,  
178, 100) }
```

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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