

Converting Colors

$Yxy(35.6517, 0.2958, 0.4293)$

Have a look what the booklet for
Yxy(35.6517, 0.2958, 0.4293)
contains.

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Color

Yxy(35.5771, 0.2957, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	66B176
RGB	102, 177, 118
RGB Percent	40%, 69%, 46%
CMY	0.6000, 0.3059, 0.5374
CMYK	0.42, 0.00, 0.33, 0.31
HSL	133°, 32%, 55%
HSV	133°, 42%, 69%
XYZ	24.4712, 35.5771, 22.7084
YIQ	147.8490, -25.7610, -34.2490

Conversions

Conversions Part 2

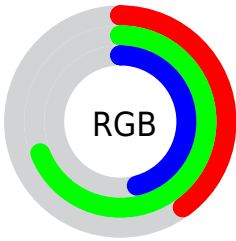
Format	Color
RYB	102, 164, 177
Decimal	6730102
CIELab	66.20, -36.21, 23.11
CIELCh	66, 42.954, 147.450
Yxy	35.5771, 0.2957, 0.4299
Android (android.graphics.Color)	4284920182 (0xFF66B176)
YUV	147.8490, -14.7156, -40.2096
Hunter-Lab	59.6465, -31.1484, 19.1799

Details

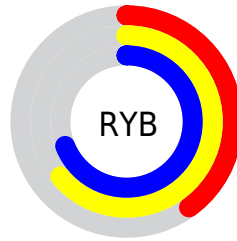
The Yxy color $35.5771, 0.2957, 0.4299$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $21.4269, 0.3367, 0.2461$, and the grayscale version is $29.6193, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.2860, 0.2996, 0.4076$, and $15.4734, 0.2871, 0.4676$ is the 20% darker color. If you saturate the color by 10%, you get $34.3453, 0.2927, 0.4589$, and if you desaturate by 10%, it is $37.0816, 0.2993, 0.4023$.

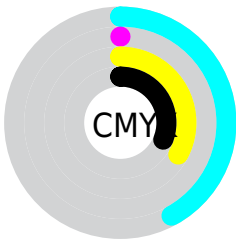
Distribution



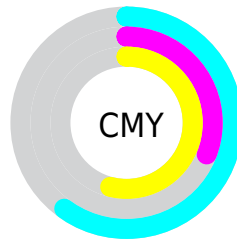
- Red (40%)
- Green (69%)
- Blue (46%)



- Red (40%)
- Yellow (64%)
- Blue (69%)



- Cyan (42%)
- Magenta (0%)
- Yellow (33%)
- Black (31%)





- Cyan (60%)
- Magenta (31%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5771, 0.2957, 0.4299 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 35.5771, 0.2957, 0.4299 by changing the saturation by 10% instead.


 35.5771, 0.2957,
0.4299


 35.5771, 0.2957,
0.4299


327.1083, 0.3062,
0.3743


 24.1078, 0.2923,
0.4457


 68.3788, 0.3001,
0.4083


 15.4136, 0.2873,
0.4671


 90.4800, 0.3015,
0.4007

 9.1102, 0.2796,
0.4979


 116.8939, 0.3027,
0.3943

 4.8131, 0.2662,
0.5452

 148.0050, 0.3036,
0.3890

 2.1380, 0.2490,
0.6489

184.1975, 0.3044,
0.3845

 0.6859, 0.0000,
1.0000

225.8560, 0.3051,

 0.0000, 0.0000,

0.3806

0.0000

273.3648, 0.3057,
0.3772

■ 35.5771, 0.2957,
0.4299

■ 35.5771, 0.2957,
0.4299

■ 34.3453, 0.2927,
0.4589

■ 37.0816, 0.2993,
0.4023

■ 33.3654, 0.2907,
0.4884

■ 38.8693, 0.3033,
0.3769

■ 32.6208, 0.2899,
0.5168


■ 40.9555, 0.3075,
0.3539


■ 32.0908, 0.2903,
0.5426

■ 43.3531, 0.3117,
0.3335

■ 31.7513, 0.2920,
0.5642


■ 46.0742, 0.3158,
0.3155

 31.5837, 0.2937,
0.5773

 49.1304, 0.3198,
0.2998

 52.5326, 0.3235,
0.2862

 56.2912, 0.3271,
0.2744

 59.1990, 0.3252,
0.2631

Harmonies

Analogous

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



35.5771, 0.3594, 0.4494



35.5771, 0.2957, 0.4299



35.5771, 0.2398, 0.3717

Triad

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



35.5771, 0.2957, 0.4299



35.5771, 0.2153, 0.2303



35.5771, 0.4327, 0.3350

Complementary

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



35.5771, 0.2957, 0.4299



21.4269, 0.3367, 0.2461

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.



35.5771, 0.3857, 0.2880



35.5771, 0.2957, 0.4299



35.5771, 0.2576, 0.2302

Square

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



35.5771, 0.2957, 0.4299



35.5771, 0.1975, 0.2544



35.5771, 0.3193, 0.2509



35.5771, 0.4422, 0.3849

Rectangle

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



35.5771, 0.2957, 0.4299



35.5771, 0.2141, 0.3256



35.5771, 0.3193, 0.2509



35.5771, 0.4206, 0.3187

Sweetspot

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



35.5786, 0.2957, 0.4299



73.0060, 0.3072, 0.3558



40.0872, 0.3602, 0.4372



15.6384, 0.3062, 0.3606



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.



35.5786, 0.2957, 0.4299



61.6072, 0.2929, 0.4575



36.6212, 0.2704, 0.3657



9.5187, 0.3088, 0.3474



22.8899, 0.2932, 0.5757



0.7287, 0.2787, 0.5231

Inverse Universe

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



21.4269, 0.3367, 0.2461



32.8171, 0.3439, 0.2290



20.3205, 0.3869, 0.2961



8.6151, 0.3169, 0.3113



8.1388, 0.3823, 0.1880



0.2638, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 35.5771, 0.2957, 0.4299 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 35.5771, 0.2957, 0.4299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

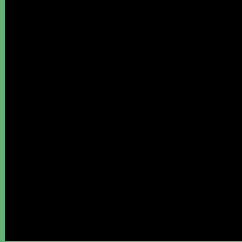
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5771, 0.2957, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 35.5771, 0.2957, 0.4299.



This preview shows how white text looks on a background with the Yxy color 35.5771, 0.2957, 0.4299.

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

35.5771, 0.2957, 0.4299

Protanopia

35.1735, 0.3715, 0.3999

Deuteranopia

35.2326, 0.3786, 0.3718



Tritanopia

35.5078, 0.2592, 0.3074

Trichromacy



Original Color

35.5771, 0.2957, 0.4299

Protanomaly

34.6904, 0.3397, 0.4105

Deuteranomaly

34.3892, 0.3448, 0.3917

Tritanomaly

35.3878, 0.2726, 0.3499

Monochromacy



Original Color

35.5771, 0.2957, 0.4299

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.4277, 0.3053, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5771, 0.2957, 0.4299 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(102, 177, 118)` looks like.

```
.text, #text, p{  
    color:rgb(102, 177, 118)  
}
```

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(102, 177, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 177, 118) }
```

Border

The CSS property to change the border of an element to Yxy 35.5771, 0.2957, 0.4299 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(102, 177, 118) }
```

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

```
.border{ border-color:rgb(102, 177, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 177, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 177, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 177, 118);  
box-shadow:4px 4px 4px 4px rgb(102, 177,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5771, 0.2957, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 177, 118) }
```

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

```
.background{ background-color: rgb(102,  
177, 118) }
```

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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