

Converting Colors

$Yxy(40.4078, 0.3045, 0.4817)$

Have a look what the booklet for
Yxy(40.4078, 0.3045, 0.4817)
contains.

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Color

Yxy(40.1955, 0.3043, 0.4807)

Conversions

Conversions Part 1

Format	Color
Hex	60BE62
RGB	96, 190, 98
RGB Percent	38%, 75%, 38%
CMY	0.6234, 0.2549, 0.6156
CMYK	0.49, 0.00, 0.48, 0.25
HSL	121°, 42%, 56%
HSV	121°, 49%, 75%
XYZ	25.4452, 40.1955, 17.9780
YIQ	151.4060, -26.4920, -48.5400

Conversions

Conversions Part 2

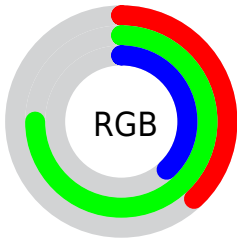
Format	Color
RYB	96, 188, 190
Decimal	6340194
CIELab	69.61, -46.75, 37.88
CIELCh	70, 60.172, 140.985
Yxy	40.1955, 0.3043, 0.4807
Android (android.graphics.Color)	4284530274 (0xFF60BE62)
YUV	151.4060, -26.3292, -48.5911
Hunter-Lab	63.3999, -39.3100, 27.5674

Details

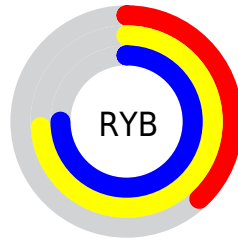
The Yxy color **40.1955, 0.3043, 0.4807** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.9497, 0.3205, 0.2132**, and the grayscale version is **31.2590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3989, 0.3082, 0.4493**, and **18.1790, 0.2951, 0.5349** is the 20% darker color. If you saturate the color by 10%, you get **38.9762, 0.3027, 0.5151**, and if you desaturate by 10%, it is **41.7488, 0.3061, 0.4456**.

Distribution



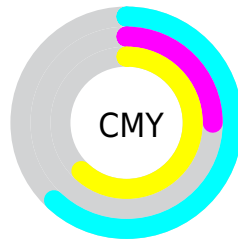
- Red (38%)
- Green (75%)
- Blue (38%)



- Red (38%)
- Yellow (74%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (48%)
- Black (25%)





- Cyan (62%)
- Magenta (25%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1955, 0.3043, 0.4807 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 40.1955, 0.3043, 0.4807 by changing the saturation by 10% instead.

 40.1955, 0.3043,
0.4807


 40.1955, 0.3043,
0.4807


346.9469, 0.3122,
0.3977


 27.6910, 0.3007,
0.5035


 75.4611, 0.3083,
0.4489


 18.0929, 0.2951,
0.5339


 98.9910, 0.3094,
0.4375

 11.0167, 0.2854,
0.5758


 126.9649, 0.3102,
0.4280

 6.0781, 0.2677,
0.6360

 159.7671, 0.3109,
0.4200

 2.8926, 0.2422,
0.7578

197.7819, 0.3114,
0.4132

 1.0759, 0.0000,
1.0000

241.3940, 0.3117,

 0.0000, 0.0000,

0.4073

0.0000

290.9875, 0.3120,
0.4022

■ 40.1955, 0.3043,
0.4807

■ 40.1955, 0.3043,
0.4807

■ 38.9762, 0.3027,
0.5151

■ 41.7488, 0.3061,
0.4456

■ 38.0620, 0.3013,
0.5462

■ 43.6527, 0.3079,
0.4118

■ 37.4272, 0.3004,
0.5714


■ 45.9287, 0.3097,
0.3806


■ 37.0399, 0.2999,
0.5888


■ 48.5950, 0.3113,
0.3525


■ 36.8441, 0.2997,
0.5983

■ 51.6688, 0.3128,
0.3277

 36.8352, 0.2996,
0.5987

 55.1661, 0.3141,
0.3063

 59.1022, 0.3153,
0.2877

 63.4916, 0.3164,
0.2718

 65.3064, 0.3157,
0.2653

Harmonies

Analogous

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



40.1955, 0.3867, 0.4873



40.1955, 0.3043, 0.4807



40.1955, 0.2287, 0.4074

Triad

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



40.1955, 0.3043, 0.4807



40.1955, 0.1801, 0.2047



40.1955, 0.4642, 0.3193

Complementary

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



40.1955, 0.3043, 0.4807



22.9497, 0.3205, 0.2132

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.



40.1955, 0.3916, 0.2632



40.1955, 0.3043, 0.4807



40.1955, 0.2257, 0.2003

Square

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



40.1955, 0.3043, 0.4807



40.1955, 0.1646, 0.2397



40.1955, 0.3008, 0.2212



40.1955, 0.4861, 0.3815

Rectangle

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



40.1955, 0.3043, 0.4807



40.1955, 0.1925, 0.3418



40.1955, 0.3008, 0.2212



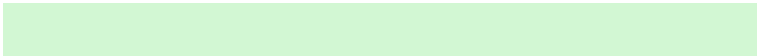
40.1955, 0.4445, 0.2996

Sweetspot

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



40.1972, 0.3043, 0.4807



85.1787, 0.3104, 0.3683



48.4179, 0.3830, 0.4482



18.4842, 0.3100, 0.3744



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.1972, 0.3043, 0.4807



70.5363, 0.3026, 0.5167



41.3463, 0.2756, 0.4023



10.6528, 0.3113, 0.3522



24.4952, 0.2996, 0.5984



0.9606, 0.2978, 0.5921

Inverse Universe

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



22.9497, 0.3205, 0.2132



35.7729, 0.3221, 0.1935



21.2551, 0.3811, 0.2677



9.6927, 0.3141, 0.3069



9.6374, 0.3262, 0.1571



0.3786, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 40.1955, 0.3043, 0.4807 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 40.1955, 0.3043, 0.4807 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 40.1955, 0.3043, 0.4807

Background



This preview shows how black text looks on a background with the Yxy color 40.1955, 0.3043, 0.4807.



This preview shows how white text looks on a background with the Yxy color 40.1955, 0.3043, 0.4807.

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

40.1955, 0.3043, 0.4807

Protanopia

39.5704, 0.3969, 0.4324

Deuteranopia

39.3470, 0.4086, 0.3999



Tritanopia

39.9171, 0.2551, 0.3068

Trichromacy



Original Color

40.1955, 0.3043, 0.4807



Protanomaly

39.0247, 0.3574, 0.4517



Deuteranomaly

38.4637, 0.3654, 0.4302



Tritanomaly

39.6214, 0.2731, 0.3668

Monochromacy



Original Color

40.1955, 0.3043, 0.4807



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.4015, 0.3093, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1955, 0.3043, 0.4807 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(96, 190, 98)` looks like.

```
.text, #text, p{  
    color:rgb(96, 190, 98)  
}
```

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(96, 190, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 190, 98) }
```

Border

The CSS property to change the border of an element to Yxy 40.1955, 0.3043, 0.4807 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(96, 190, 98) }
```

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

```
.border{ border-color:rgb(96, 190, 98) }
```

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

Here you see how a box with a 4 pixel rgb(96, 190, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 190, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 190, 98);  
box-shadow:4px 4px 4px 4px rgb(96, 190,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1955, 0.3043, 0.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 190, 98) }
```

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

```
.background{ background-color: rgb(96, 190,  
98) }
```

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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