

Converting Colors

$Y_{xy}(16.1394, 0.3748, 0.5030)$

Have a look what the booklet for
Yxy(16.1394, 0.3748, 0.5030)
contains.

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Color

Yxy(16.1394, 0.3748, 0.5030)

Conversions

Conversions Part 1

Format	Color
Hex	627821
RGB	98, 120, 33
RGB Percent	38%, 47%, 13%
CMY	0.6158, 0.5294, 0.8705
CMYK	0.18, 0.00, 0.72, 0.53
HSL	75°, 57%, 30%
HSV	75°, 72%, 47%
XYZ	12.0259, 16.1394, 3.9209
YIQ	103.5040, 14.8150, -31.7210

Conversions

Conversions Part 2

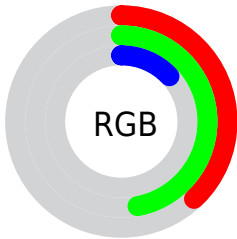
Format	Color
R_{YB}	33, 120, 55
Decimal	6453281
CIE Lab	47.16, -21.21, 42.85
CIE LCh	47, 47.810, 116.341
Yxy	16.1394, 0.3748, 0.5030
Android (android.graphics.Color)	4284643361 (0xFF627821)
YUV	103.5040, -34.7585, -4.8270
Hunter-Lab	40.1739, -16.8708, 22.3350

Details

The Yxy color **16.1394, 0.3748, 0.5030** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2583, 0.2051, 0.1212**, and the grayscale version is **13.7949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7089, 0.3656, 0.4616**, and **5.1349, 0.3688, 0.5454** is the 20% darker color. If you saturate the color by 10%, you get **15.9186, 0.3773, 0.5192**, and if you desaturate by 10%, it is **16.3921, 0.3701, 0.4830**.

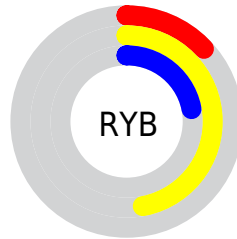
Distribution



Red (38%)

Green (47%)

Blue (13%)



Red (13%)

Yellow (47%)

Blue (22%)

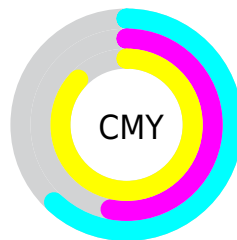


Cyan (18%)

Magenta (0%)

Yellow (72%)

Black (53%)



Cyan (62%)


Magenta (53%)

Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1394, 0.3748, 0.5030 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 16.1394, 0.3748, 0.5030 by changing the saturation by 10% instead.


 16.1394, 0.3748,
0.5030


 16.1394, 0.3748,
0.5030


 230.1629, 0.3444,
0.3997


 9.6228, 0.3788,
0.5335


 36.8400, 0.3653,
0.4615


 5.1496, 0.3854,
0.5831

 51.7929, 0.3611,
0.4471

 2.3353, 0.3699,
0.6301

 70.3267, 0.3573,
0.4353

 0.7923, 0.2289,
0.7711

 92.8258, 0.3541,
0.4257

 0.0000, 0.0000,
0.0000

 119.6745, 0.3512,
0.4176

 151.2574, 0.3487,

0.4107

187.9587, 0.3464,
0.4048

16.1394, 0.3748,
0.5030

16.1394, 0.3748,
0.5030

15.9186, 0.3773,
0.5192

16.3921, 0.3701,
0.4830

15.7247, 0.3774,
0.5312

16.6768, 0.3634,
0.4601

15.5893, 0.3768,
0.5390

16.9965, 0.3551,
0.4353

17.3529, 0.3458,
0.4096

17.7478, 0.3358,
0.3838

■ 18.1829, 0.3255,
0.3587

■ 18.6596, 0.3152,
0.3347

■ 19.1795, 0.3053,
0.3123

■ 19.7437, 0.2957,
0.2915

Harmonies

Analogous

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



16.1394, 0.4517, 0.4596



16.1394, 0.3748, 0.5030



16.1394, 0.2867, 0.4847

Triad

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



16.1394, 0.3748, 0.5030



16.1394, 0.1564, 0.2237



16.1394, 0.4141, 0.2684

Complementary

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



16.1394, 0.3748, 0.5030



3.2583, 0.2051, 0.1212

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.



16.1394, 0.3164, 0.2210



16.1394, 0.3748, 0.5030



16.1394, 0.1782, 0.1939

Square

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



16.1394, 0.3748, 0.5030



16.1394, 0.1660, 0.2919



16.1394, 0.2318, 0.1947



16.1394, 0.4844, 0.3287

Rectangle

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



16.1394, 0.3748, 0.5030



16.1394, 0.2331, 0.4299



16.1394, 0.2318, 0.1947



16.1394, 0.3823, 0.2507

Sweetspot

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



16.1401, 0.3748, 0.5030



31.2069, 0.3358, 0.3839



6.8134, 0.5082, 0.3693



7.3594, 0.3380, 0.3894



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.1401, 0.3748, 0.5030



27.7621, 0.3776, 0.5277



14.3505, 0.3208, 0.5382



4.5853, 0.3220, 0.3504



16.9974, 0.3766, 0.5392



80.6594, 0.3743, 0.5410

Inverse Universe

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



3.2583, 0.2051, 0.1212



3.6914, 0.1805, 0.0858



5.0559, 0.2784, 0.1564



3.9381, 0.3029, 0.3072



1.7809, 0.1675, 0.0697



8.1450, 0.1634, 0.0674

Previews

White Background



This preview shows how the Yxy color 16.1394, 0.3748, 0.5030 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 16.1394, 0.3748, 0.5030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

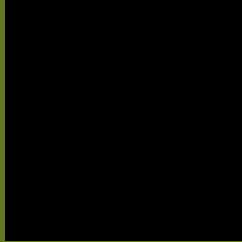
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1394, 0.3748, 0.5030

Background



This preview shows how black text looks on a background with the Yxy color 16.1394, 0.3748, 0.5030.



This preview shows how white text looks on a background with the Yxy color 16.1394, 0.3748, 0.5030.

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

16.1394, 0.3748, 0.5030

Protanopia

16.0472, 0.4242, 0.4696

Deuteranopia

15.9435, 0.4459, 0.4397



Tritanopia

16.0946, 0.2956, 0.3108

Trichromacy



Original Color

16.1394, 0.3748, 0.5030

Protanomaly

16.0106, 0.4052, 0.4820

Deuteranomaly

15.7875, 0.4195, 0.4622

Tritanomaly

15.9258, 0.3297, 0.3849

Monochromacy



Original Color

16.1394, 0.3748, 0.5030

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.5267, 0.3423, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1394, 0.3748, 0.5030 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(98, 120, 33)` looks like.

```
.text, #text, p{  
  color:rgb(98, 120, 33)  
}
```

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(98, 120, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 120, 33) }
```

Border

The CSS property to change the border of an element to Yxy 16.1394, 0.3748, 0.5030 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(98, 120, 33) }
```

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

```
.border{ border-color:rgb(98, 120, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 120, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 120, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 120, 33);  
box-shadow:4px 4px 4px 4px rgb(98, 120,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1394, 0.3748, 0.5030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 120, 33) }
```

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

```
.background{ background-color: rgb(98, 120,  
33) }
```

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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