

Converting Colors

$Y_{xy}(14.6513, 0.3840, 0.4755)$

Have a look what the booklet for
Yxy(14.6513, 0.3840, 0.4755)
contains.

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Color

Yxy(14.6320, 0.3837, 0.4763)

Conversions

Conversions Part 1

Format	Color
Hex	677029
RGB	103, 112, 41
RGB Percent	40%, 44%, 16%
CMY	0.5961, 0.5608, 0.8392
CMYK	0.08, 0.00, 0.63, 0.56
HSL	68°, 46%, 30%
HSV	68°, 63%, 44%
XYZ	11.7873, 14.6320, 4.3008
YIQ	101.2150, 17.4270, -23.9890

Conversions

Conversions Part 2

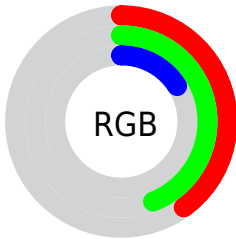
Format	Color
R_{YB}	41, 112, 50
Decimal	6778921
CIE Lab	45.13, -14.13, 37.28
CIE LCh	45, 39.866, 110.762
Yxy	14.6320, 0.3837, 0.4763
Android (android.graphics.Color)	4284969001 (0xFF677029)
YUV	101.2150, -29.6860, 1.5654
Hunter-Lab	38.2518, -11.9358, 20.1100

Details

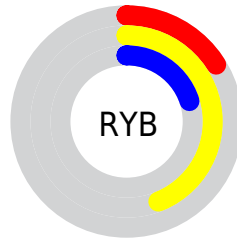
The Yxy color **14.6320, 0.3837, 0.4763** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.4345, 0.2080, 0.1419**, and the grayscale version is **13.1473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3570, 0.3698, 0.4406**, and **4.4511, 0.3952, 0.5244** is the 20% darker color. If you saturate the color by 10%, you get **14.4819, 0.3904, 0.4935**, and if you desaturate by 10%, it is **14.8071, 0.3750, 0.4560**.

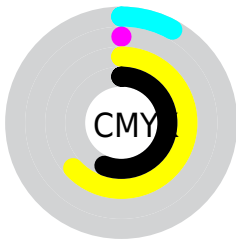
Distribution



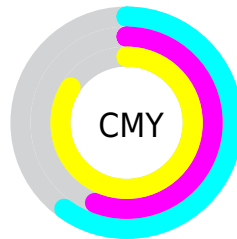
- Red (40%)
- Green (44%)
- Blue (16%)



- Red (16%)
- Yellow (44%)
- Blue (20%)



- Cyan (8%)
- Magenta (0%)
- Yellow (63%)
- Black (56%)





- Cyan (60%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6320, 0.3837, 0.4763 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 14.6320, 0.3837, 0.4763 by changing the saturation by 10% instead.


 14.6320, 0.3837,
0.4763


 14.6320, 0.3837,
0.4763


 221.1279, 0.3456,
0.3883


 8.5615, 0.3918,
0.5029


 34.2063, 0.3700,
0.4406


 4.4563, 0.4036,
0.5448

 48.4789, 0.3647,
0.4283


 1.9319, 0.4050,
0.5950

 66.2543, 0.3602,
0.4184

 0.5675, 0.2551,
0.7449

 87.9170, 0.3564,
0.4102

 0.0000, 0.0000,
0.0000

 113.8513, 0.3531,
0.4034

 144.4416, 0.3503,

0.3976

180.0723, 0.3478,
0.3926

■ 14.6320, 0.3837,
0.4763

■ 14.6320, 0.3837,
0.4763

■ 14.4819, 0.3904,
0.4935

■ 14.8071, 0.3750,
0.4560

■ 14.3529, 0.3949,
0.5069

■ 15.0070, 0.3647,
0.4334

■ 14.2430, 0.3971,
0.5165

■ 15.2338, 0.3533,
0.4094

■ 14.1743, 0.3981,
0.5221

■ 15.4891, 0.3412,
0.3848

■ 15.7741, 0.3289,
0.3604

■ 16.0900, 0.3168,
0.3368

■ 16.4381, 0.3050,
0.3143

■ 16.8195, 0.2938,
0.2932

■ 17.2351, 0.2832,
0.2737

Harmonies

Analogous

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



14.6320, 0.4462, 0.4368



14.6320, 0.3837, 0.4763



14.6320, 0.3065, 0.4688

Triad

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



14.6320, 0.3837, 0.4763



14.6320, 0.1733, 0.2465



14.6320, 0.3856, 0.2672

Complementary

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



14.6320, 0.3837, 0.4763



3.4345, 0.2080, 0.1419

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.



14.6320, 0.3014, 0.2274



14.6320, 0.3837, 0.4763



14.6320, 0.1877, 0.2126

Square

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



14.6320, 0.3837, 0.4763



14.6320, 0.1886, 0.3135



14.6320, 0.2310, 0.2078



14.6320, 0.4530, 0.3205

Rectangle

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



14.6320, 0.3837, 0.4763



14.6320, 0.2570, 0.4294



14.6320, 0.2310, 0.2078



14.6320, 0.3576, 0.2520

Sweetspot

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



14.6327, 0.3837, 0.4763



27.3967, 0.3364, 0.3753



5.8258, 0.4874, 0.3466



6.5554, 0.3392, 0.3808



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



14.6327, 0.3837, 0.4763



25.3302, 0.3928, 0.5002



12.9864, 0.3340, 0.5047



3.8958, 0.3236, 0.3499



16.3782, 0.3980, 0.5222



81.3277, 0.3967, 0.5232

Inverse Universe

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



3.4345, 0.2080, 0.1419



3.9010, 0.1831, 0.1021



4.6773, 0.2662, 0.1673



3.3189, 0.3014, 0.3074



1.4558, 0.1567, 0.0637



7.0345, 0.1539, 0.0622

Previews

White Background



This preview shows how the Yxy color 14.6320, 0.3837, 0.4763 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 14.6320, 0.3837, 0.4763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

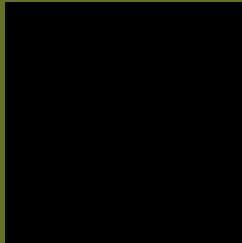
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6320, 0.3837, 0.4763

Background



This preview shows how black text looks on a background with the Yxy color 14.6320, 0.3837, 0.4763.



This preview shows how white text looks on a background with the Yxy color 14.6320, 0.3837, 0.4763.

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

14.6320, 0.3837, 0.4763

Protanopia

14.5905, 0.4145, 0.4565

Deuteranopia

14.4758, 0.4392, 0.4301



Tritanopia

14.6104, 0.3093, 0.3125

Trichromacy



Original Color

14.6320, 0.3837, 0.4763

Protanomaly

14.6012, 0.4030, 0.4647

Deuteranomaly

14.4151, 0.4186, 0.4465

Tritanomaly

14.5390, 0.3387, 0.3746

Monochromacy



Original Color

14.6320, 0.3837, 0.4763

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.4924, 0.3431, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6320, 0.3837, 0.4763 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(103, 112, 41)` looks like.

```
.text, #text, p{  
    color:rgb(103, 112, 41)  
}
```

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(103, 112, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 112, 41) }
```

Border

The CSS property to change the border of an element to Yxy 14.6320, 0.3837, 0.4763 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(103, 112, 41) }
```

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

```
.border{ border-color:rgb(103, 112, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 112, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 112, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 112, 41);  
box-shadow:4px 4px 4px 4px rgb(103, 112,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6320, 0.3837, 0.4763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 112, 41) }
```

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

```
.background{ background-color: rgb(103,  
112, 41) }
```

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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