

Converting Colors

$Yxy(16.5704, 0.4570, 0.3338)$

Have a look what the booklet for
Yxy(16.5704, 0.4570, 0.3338)
contains.

Yxy(16.5704, 0.4570, 0.3338)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.5704, 0.4570, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	AF5754
RGB	175, 87, 84
RGB Percent	69%, 34%, 33%
CMY	0.3137, 0.6588, 0.6707
CMYK	0.00, 0.50, 0.52, 0.31
HSL	2°, 36%, 51%
HSV	2°, 52%, 69%
XYZ	22.6863, 16.5704, 10.3850
YIQ	112.9700, 53.4110, 17.7230

Conversions

Conversions Part 2

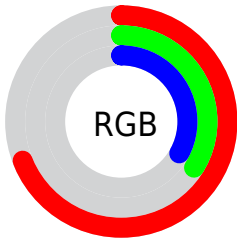
Format	Color
RYB	175, 87, 84
Decimal	11491156
CIELab	47.71, 35.52, 18.47
CIElCh	48, 40.041, 27.475
Yxy	16.5704, 0.4570, 0.3338
Android (android.graphics.Color)	4289681236 (0xFFAF5754)
YUV	112.9700, -14.2822, 54.4003
Hunter-Lab	40.7068, 28.2429, 13.3688

Details

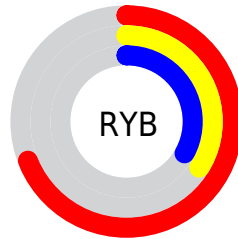
The Yxy color **16.5704, 0.4570, 0.3338** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.4692, 0.2456, 0.3238**, and the grayscale version is **16.5357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6789, 0.4220, 0.3350**, and **5.3212, 0.5208, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **13.9046, 0.5019, 0.3343**, and if you desaturate by 10%, it is **19.9483, 0.4172, 0.3330**.

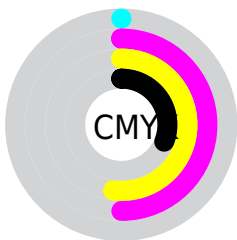
Distribution



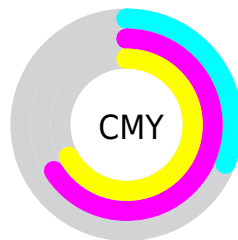
- Red (69%)
- Green (34%)
- Blue (33%)



- Red (69%)
- Yellow (34%)
- Blue (33%)



- Cyan (0%)
- Magenta (50%)
- Yellow (52%)
- Black (31%)




- Cyan (31%)
- Magenta (66%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5704, 0.4570, 0.3338 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 16.5704, 0.4570, 0.3338 by changing the saturation by 10% instead.


 16.5704, 0.4570,
0.3338


 16.5704, 0.4570,
0.3338

232.6844, 0.3720,
0.3346


 9.9287, 0.4834,
0.3314


 37.5857, 0.4225,
0.3354


 5.3517, 0.5208,
0.3263

 52.7280, 0.4107,
0.3355

 2.4551, 0.5769,
0.3149

 71.4726, 0.4011,
0.3355

 0.8540, 0.6994,
0.3006

 94.2040, 0.3932,
0.3354

 0.0000, 1.0000,
0.0000

 121.3064, 0.3866,
0.3352

 0.0000, 0.0000,
0.0000

153.1644, 0.3810,

0.3350

190.1622, 0.3762,
0.3348

■ 16.5704, 0.4570,
0.3338

■ 16.5704, 0.4570,
0.3338

■ 13.9046, 0.5019,
0.3343

■ 19.9483, 0.4172,
0.3330

■ 11.8975, 0.5484,
0.3344

■ 24.0813, 0.3836,
0.3320

■ 10.4926, 0.5907,
0.3337

■ 29.0124, 0.3561,
0.3310

■ 9.6227, 0.6218,
0.3325

■ 34.7804, 0.3338,
0.3301

■ 9.2402, 0.6375,
0.3320

■ 41.4216, 0.3159,
0.3292

■ 48.9701, 0.3014,
0.3284

■ 57.4584, 0.2897,
0.3276

■ 66.9172, 0.2802,
0.3270

■ 77.3758, 0.2724,
0.3264

Harmonies

Analogous

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



16.5704, 0.4002, 0.2800



16.5704, 0.4570, 0.3338



16.5704, 0.4667, 0.3916

Triad

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



16.5704, 0.4570, 0.3338



16.5704, 0.2905, 0.4531



16.5704, 0.1985, 0.2129

Complementary

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



16.5704, 0.4570, 0.3338



34.4692, 0.2456, 0.3238

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.



16.5704, 0.1781, 0.2394



16.5704, 0.4570, 0.3338



16.5704, 0.2254, 0.3802

Square

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



16.5704, 0.4570, 0.3338



16.5704, 0.3658, 0.4743



16.5704, 0.1865, 0.2974



16.5704, 0.2469, 0.2137

Rectangle

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



16.5704, 0.4570, 0.3338



16.5704, 0.4470, 0.4283



16.5704, 0.1865, 0.2974



16.5704, 0.1886, 0.2185

Sweetspot

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



16.5713, 0.4570, 0.3338



57.7012, 0.3427, 0.3305



18.4275, 0.3222, 0.2099



12.3649, 0.3472, 0.3307



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.



16.5713, 0.4570, 0.3338



24.4691, 0.5068, 0.3344



26.3972, 0.4181, 0.3998



8.0565, 0.3286, 0.3298



6.6357, 0.6370, 0.3324



0.1982, 0.6238, 0.3429

Inverse Universe

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



34.4692, 0.2456, 0.3238



59.9134, 0.2364, 0.3226



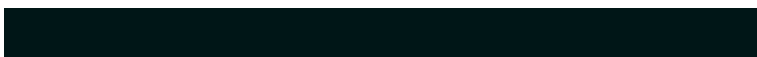
20.0163, 0.2296, 0.2431



9.0256, 0.2987, 0.3282



22.6003, 0.2219, 0.3187



0.6426, 0.2228, 0.3220

Previews

White Background



This preview shows how the Yxy color 16.5704, 0.4570, 0.3338 looks on a white background.

Color Contrast Check

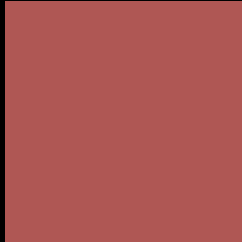
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5704, 0.4570, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

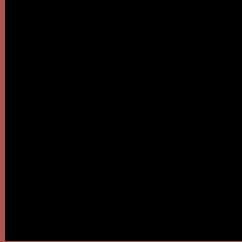
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5704, 0.4570, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 16.5704, 0.4570, 0.3338.



This preview shows how white text looks on a background with the Yxy color 16.5704, 0.4570, 0.3338.

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

16.5704, 0.4570, 0.3338

Protanopia

16.6479, 0.3437, 0.3630

Deuteranopia

16.6674, 0.3888, 0.3832



Tritanopia

16.6584, 0.4460, 0.3207

Trichromacy



Original Color

16.5704, 0.4570, 0.3338

Protanomaly

16.2488, 0.3824, 0.3511

Deuteranomaly

16.3855, 0.4153, 0.3636

Tritanomaly

16.6070, 0.4509, 0.3251

Monochromacy



Original Color

16.5704, 0.4570, 0.3338

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.0942, 0.3620, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5704, 0.4570, 0.3338 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(175, 87, 84)` looks like.

```
.text, #text, p{  
    color:rgb(175, 87, 84)  
}
```

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(175, 87, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 87, 84) }
```

Border

The CSS property to change the border of an element to Yxy 16.5704, 0.4570, 0.3338 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(175, 87, 84) }
```

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

```
.border{ border-color:rgb(175, 87, 84) }
```

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

Here you see how a box with a 4 pixel rgb(175, 87, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 87, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 87, 84);  
box-shadow:4px 4px 4px 4px rgb(175, 87,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5704, 0.4570, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 87, 84) }
```

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

```
.background{ background-color: rgb(175, 87,  
84) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor