

Converting Colors

$Y_{xy}(16.1670, 0.3071, 0.3452)$

Have a look what the booklet for
Yxy(16.1670, 0.3071, 0.3452)
contains.

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Color

Yxy(16.2066, 0.3068, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	67736B
RGB	103, 115, 107
RGB Percent	40%, 45%, 42%
CMY	0.5961, 0.5490, 0.5804
CMYK	0.10, 0.00, 0.07, 0.55
HSL	140°, 6%, 43%
HSV	140°, 10%, 45%
XYZ	14.3788, 16.2066, 16.2816
YIQ	110.5000, -4.5840, -5.0320

Conversions

Conversions Part 2

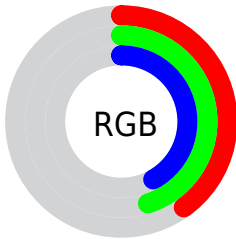
Format	Color
RYB	103, 112, 115
Decimal	6779755
CIELab	47.24, -6.19, 2.89
CIELCh	47, 6.827, 154.986
Yxy	16.2066, 0.3068, 0.3458
Android (android.graphics.Color)	4284969835 (0xFF67736B)
YUV	110.5000, -1.7255, -6.5775
Hunter-Lab	40.2574, -6.6954, 4.2011

Details

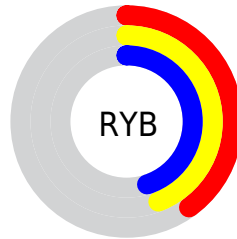
The Yxy color **16.2066, 0.3068, 0.3458** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4944, 0.3192, 0.3128**, and the grayscale version is **15.7510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9761, 0.3084, 0.3423**, and **5.1813, 0.3035, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **15.4190, 0.3012, 0.3639**, and if you desaturate by 10%, it is **17.1034, 0.3125, 0.3297**.

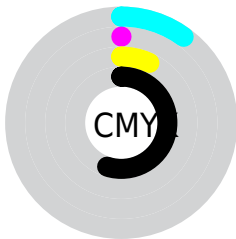
Distribution



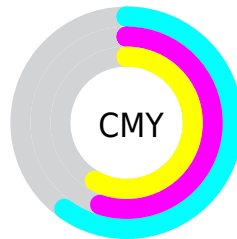
- Red (40%)
- Green (45%)
- Blue (42%)



- Red (40%)
- Yellow (44%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (55%)





- Cyan (60%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2066, 0.3068, 0.3458 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 16.2066, 0.3068, 0.3458 by changing the saturation by 10% instead.


 16.2066, 0.3068,
0.3458


 16.2066, 0.3068,
0.3458


230.5578, 0.3103,
0.3358

 9.6705, 0.3056,
0.3490


 36.9565, 0.3083,
0.3417

 5.1810, 0.3039,
0.3538

 51.9391, 0.3087,
0.3403

 2.3539, 0.3011,
0.3617

 70.5059, 0.3091,
0.3392

 0.8020, 0.2932,
0.3847

 93.0414, 0.3095,
0.3383

 0.0000, 0.0000,
0.0000

119.9299, 0.3097,
0.3375

151.5559, 0.3100,

0.3369

188.3037, 0.3102,
0.3363

■ 16.2066, 0.3068,
0.3458

■ 16.2066, 0.3068,
0.3458

■ 15.4190, 0.3012,
0.3639

■ 17.1034, 0.3125,
0.3297

■ 14.7345, 0.2959,
0.3838

■ 18.1113, 0.3181,
0.3153

■ 14.1491, 0.2910,
0.4056

■ 19.2348, 0.3236,
0.3027

■ 13.6583, 0.2868,
0.4289

■ 20.4773, 0.3288,
0.2916

■ 13.2568, 0.2837,
0.4531

■ 21.8423, 0.3338,
0.2819

■ 12.9389, 0.2818,
0.4777

■ 23.3330, 0.3386,
0.2734

■ 12.6983, 0.2815,
0.5018

■ 24.9527, 0.3430,
0.2660

■ 12.5276, 0.2827,
0.5242

■ 26.7043, 0.3472,
0.2595

■ 12.4039, 0.2844,
0.5439

■ 28.5907, 0.3512,
0.2538

Harmonies

Analogous

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



16.2066, 0.3205, 0.3521



16.2066, 0.3068, 0.3458



16.2066, 0.2949, 0.3347

Triad

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



16.2066, 0.3068, 0.3458



16.2066, 0.2933, 0.3065



16.2066, 0.3383, 0.3349

Complementary

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



16.2066, 0.3068, 0.3458



14.4944, 0.3192, 0.3128

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.



16.2066, 0.3307, 0.3231



16.2066, 0.3068, 0.3458



16.2066, 0.3046, 0.3070

Square

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



16.2066, 0.3068, 0.3458



16.2066, 0.2872, 0.3120



16.2066, 0.3183, 0.3131



16.2066, 0.3389, 0.3454

Rectangle

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



16.2066, 0.3068, 0.3458



16.2066, 0.2895, 0.3263



16.2066, 0.3183, 0.3131



16.2066, 0.3365, 0.3310

Sweetspot

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



16.2073, 0.3068, 0.3458



30.1822, 0.3110, 0.3337



16.6208, 0.3220, 0.3536



7.1724, 0.3106, 0.3349



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.2073, 0.3068, 0.3458



28.5912, 0.3052, 0.3509



16.3379, 0.2998, 0.3331



4.1165, 0.3076, 0.3435



14.1763, 0.2847, 0.5451



68.9386, 0.2873, 0.5544

Inverse Universe

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



14.4944, 0.3192, 0.3128



24.7417, 0.3212, 0.3081



14.3667, 0.3273, 0.3249



3.7382, 0.3182, 0.3150



4.7698, 0.4229, 0.2103



23.0799, 0.4298, 0.2142

Previews

White Background



This preview shows how the Yxy color 16.2066, 0.3068, 0.3458 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 16.2066, 0.3068, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

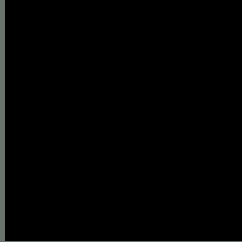
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

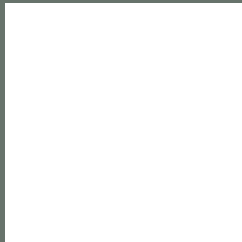
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2066, 0.3068, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 16.2066, 0.3068, 0.3458.



This preview shows how white text looks on a background with the Yxy color 16.2066, 0.3068, 0.3458.

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

16.2066, 0.3068, 0.3458

Protanopia

16.0336, 0.3257, 0.3412

Deuteranopia

16.0929, 0.3350, 0.3291



Tritanopia

16.2187, 0.2920, 0.3107

Trichromacy



Original Color

16.2066, 0.3068, 0.3458

Protanomaly

16.0085, 0.3188, 0.3414

Deuteranomaly

16.1646, 0.3232, 0.3351

Tritanomaly

16.2620, 0.2965, 0.3228

Monochromacy



Original Color

16.2066, 0.3068, 0.3458

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9023, 0.3099, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2066, 0.3068, 0.3458 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, 115, 107)` looks like.

```
.text, #text, p{  
    color:rgb(103, 115, 107)  
}
```

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, 115, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 115, 107) }
```

Border

The CSS property to change the border of an element to Yxy 16.2066, 0.3068, 0.3458 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, 115, 107) }
```

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

```
.border{ border-color:rgb(103, 115, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 115, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 115, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 115, 107);  
box-shadow:4px 4px 4px 4px rgb(103, 115,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2066, 0.3068, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 115, 107) }
```

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

```
.background{ background-color: rgb(103,  
115, 107) }
```

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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