

Converting Colors

$Y_{xy}(11.7044, 0.2803, 0.3722)$

Have a look what the booklet for
Yxy(11.7044, 0.2803, 0.3722)
contains.

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Color

Yxy(11.6952, 0.2798, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	406858
RGB	64, 104, 88
RGB Percent	25%, 41%, 35%
CMY	0.7489, 0.5922, 0.6549
CMYK	0.38, 0.00, 0.15, 0.59
HSL	156°, 24%, 33%
HSV	156°, 38%, 41%
XYZ	8.8274, 11.6952, 11.0264
YIQ	90.2160, -18.7040, -13.4560

Conversions

Conversions Part 2

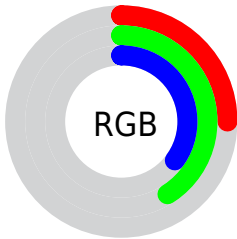
Format	Color
RYB	64, 89, 104
Decimal	4221016
CIELab	40.73, -18.08, 4.58
CIELCh	41, 18.657, 165.778
Yxy	11.6952, 0.2798, 0.3707
Android (android.graphics.Color)	4282411096 (0xFF406858)
YUV	90.2160, -1.0925, -22.9914
Hunter-Lab	34.1982, -13.7717, 4.8222

Details

The Yxy color **11.6952, 0.2798, 0.3707** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.1916, 0.3642, 0.2913**, and the grayscale version is **10.2824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8551, 0.2888, 0.3585**, and **3.2108, 0.2603, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **11.3118, 0.2730, 0.3838**, and if you desaturate by 10%, it is **12.1485, 0.2876, 0.3585**.

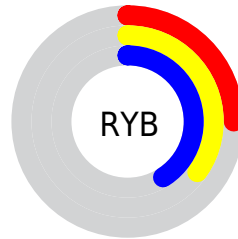
Distribution



Red (25%)

Green (41%)

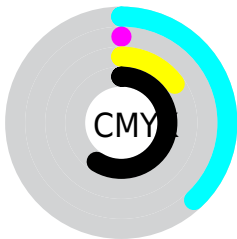
Blue (35%)



Red (25%)

Yellow (35%)

Blue (41%)

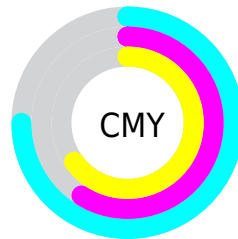


Cyan (38%)

Magenta (0%)

Yellow (15%)

Black (59%)



Cyan (75%)

Magenta (59%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6952, 0.2798, 0.3707 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 11.6952, 0.2798, 0.3707 by changing the saturation by 10% instead.

■ 11.6952, 0.2798,
0.3707

■ 11.6952, 0.2798,
0.3707

■ 202.3769, 0.3002,
0.3446

■ 6.5365, 0.2725,
0.3802

■ 28.9387, 0.2886,
0.3594

■ 3.1740, 0.2611,
0.3953

■ 41.7924, 0.2914,
0.3558

■ 1.2232, 0.2384,
0.4243

■ 57.9797, 0.2936,
0.3529

■ 0.0805, 0.0000,
1.0000

■ 77.8853, 0.2955,
0.3506

■ 0.0000, 0.0000,
0.0000

■ 101.8934, 0.2970,
0.3487

■ 130.3884, 0.2982,

0.3471

163.7548, 0.2993,
0.3458

■ 11.6952, 0.2798,
0.3707

■ 11.6952, 0.2798,
0.3707

■ 11.3118, 0.2730,
0.3838

■ 12.1485, 0.2876,
0.3585

■ 10.9932, 0.2674,
0.3976

■ 12.6738, 0.2961,
0.3472

■ 10.7359, 0.2632,
0.4120

■ 13.2746, 0.3050,
0.3369

■ 10.5353, 0.2608,
0.4267

■ 13.9539, 0.3142,
0.3276

■ 10.3863, 0.2601,
0.4413

■ 14.7147, 0.3234,
0.3193

■ 10.2701, 0.2606,
0.4560

■ 15.5594, 0.3326,
0.3118

■ 10.2524, 0.2606,
0.4583

■ 16.4908, 0.3416,
0.3052

■ 17.5112, 0.3504,
0.2994

■ 18.6230, 0.3588,
0.2943

Harmonies

Analogous

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



11.6952, 0.3196, 0.3980



11.6952, 0.2798, 0.3707



11.6952, 0.2501, 0.3308

Triad

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



11.6952, 0.2798, 0.3707



11.6952, 0.2649, 0.2620



11.6952, 0.3950, 0.3557

Complementary

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



11.6952, 0.2798, 0.3707



7.1916, 0.3642, 0.2913

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.



11.6952, 0.3788, 0.3222



11.6952, 0.2798, 0.3707



11.6952, 0.3015, 0.2704

Square

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



11.6952, 0.2798, 0.3707



11.6952, 0.2421, 0.2696



11.6952, 0.3436, 0.2918



11.6952, 0.3873, 0.3854

Rectangle

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



11.6952, 0.2798, 0.3707



11.6952, 0.2392, 0.3049



11.6952, 0.3436, 0.2918



11.6952, 0.3922, 0.3446

Sweetspot

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



11.6957, 0.2798, 0.3707



22.8630, 0.3015, 0.3408



11.9767, 0.3299, 0.4301



5.5557, 0.3007, 0.3417



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.6957, 0.2798, 0.3707



19.9175, 0.2737, 0.3823



11.2046, 0.2609, 0.3187



3.1676, 0.3046, 0.3374



12.6324, 0.2611, 0.4598



65.7085, 0.2634, 0.4682

Inverse Universe

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



7.1916, 0.3642, 0.2913



10.8049, 0.3817, 0.2826



7.4500, 0.3958, 0.3388



2.8629, 0.3216, 0.3208



3.8244, 0.5276, 0.2680



19.7826, 0.5420, 0.2759

Previews

White Background



This preview shows how the Yxy color 11.6952, 0.2798, 0.3707 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 11.6952, 0.2798, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

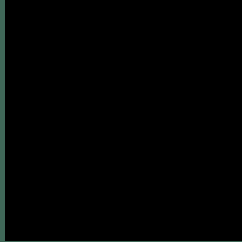
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

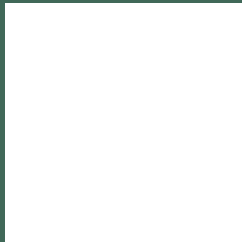
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.6952, 0.2798, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 11.6952, 0.2798, 0.3707.



This preview shows how white text looks on a background with the Yxy color 11.6952, 0.2798, 0.3707.

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

11.6952, 0.2798, 0.3707

Protanopia

11.5338, 0.3367, 0.3547

Deuteranopia

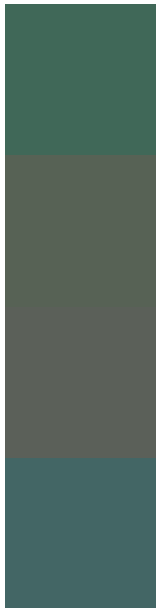
11.5183, 0.3399, 0.3336



Tritanopia

11.6767, 0.2614, 0.3093

Trichromacy



Original Color

11.6952, 0.2798, 0.3707

Protanomaly

11.4175, 0.3142, 0.3610

Deuteranomaly

11.3112, 0.3150, 0.3459

Tritanomaly

11.6356, 0.2681, 0.3314

Monochromacy



Original Color

11.6952, 0.2798, 0.3707

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6550, 0.3000, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6952, 0.2798, 0.3707 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(64, 104, 88)` looks like.

```
.text, #text, p{  
    color:rgb(64, 104, 88)  
}
```

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(64, 104, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 104, 88) }
```

Border

The CSS property to change the border of an element to Yxy 11.6952, 0.2798, 0.3707 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(64, 104, 88) }
```

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

```
.border{ border-color:rgb(64, 104, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 104, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 104, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 104, 88);  
box-shadow:4px 4px 4px 4px rgb(64, 104,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6952, 0.2798, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 104, 88) }
```

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

```
.background{ background-color: rgb(64, 104,  
88) }
```

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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