

Converting Colors

$Y_{xy}(11.7742, 0.2476, 0.3086)$

Have a look what the booklet for
Yxy(11.7742, 0.2476, 0.3086)
contains.

Yxy(11.7181, 0.2480, 0.3089)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7181, 0.2480, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	39676F
RGB	57, 103, 111
RGB Percent	22%, 40%, 44%
CMY	0.7764, 0.5961, 0.5646
CMYK	0.49, 0.07, 0.00, 0.56
HSL	189°, 32%, 33%
HSV	189°, 49%, 44%
XYZ	9.4079, 11.7181, 16.8090
YIQ	90.1580, -29.9840, -7.2640

Conversions

Conversions Part 2

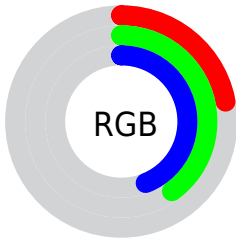
Format	Color
R_{YB}	57, 82, 111
Decimal	3762031
CIE Lab	40.76, -13.39, -9.42
CIE LCh	41, 16.368, 215.133
Yxy	11.7181, 0.2480, 0.3089
Android (android.graphics.Color)	4281952111 (0xFF39676F)
YUV	90.1580, 10.2751, -29.0796
Hunter-Lab	34.2317, -10.8485, -5.1513




Details

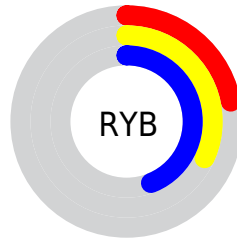
The Yxy color **11.7181, 0.2480, 0.3089** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.4597, 0.4278, 0.3474**, and the grayscale version is **10.2441, 0.3127, 0.3290**.




A 20% lighter version of the original color is **28.9437, 0.2640, 0.3138**, and **3.1872, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **11.1025, 0.2377, 0.3041**, and if you desaturate by 10%, it is **12.4124, 0.2596, 0.3135**.

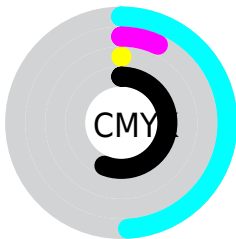
Distribution







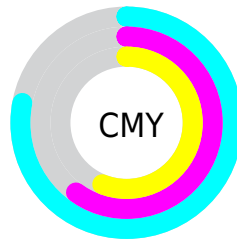
-  Red (22%)
-  Green (40%)
-  Blue (44%)






-  Red (22%)
-  Yellow (32%)
-  Blue (44%)



-  Cyan (49%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (78%)
-  Magenta (60%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7181, 0.2480, 0.3089 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 11.7181, 0.2480, 0.3089 by changing the saturation by 10% instead.

11.7181, 0.2480,
0.3089

11.7181, 0.2480,
0.3089

202.5300, 0.2870,
0.3219

6.5520, 0.2351,
0.3039

28.9806, 0.2642,
0.3147

3.1836, 0.2158,
0.2959

41.8459, 0.2696,
0.3165

1.2283, 0.1845,
0.2811

58.0463, 0.2740,
0.3179

0.0846, 0.0000,
0.1013

77.9663, 0.2775,
0.3190

0.0000, 0.0000,
0.0000

101.9903, 0.2805,
0.3199

130.5026, 0.2830,

0.3207

163.8877, 0.2851,
0.3214

■ 11.7181, 0.2480,
0.3089

■ 11.7181, 0.2480,
0.3089

■ 11.1025, 0.2377,
0.3041

■ 12.4124, 0.2596,
0.3135

■ 10.5596, 0.2290,
0.2991

■ 13.1884, 0.2724,
0.3180

■ 10.0845, 0.2220,
0.2941

■ 14.0506, 0.2860,
0.3221

■ 9.6710, 0.2168,
0.2891

■ 15.0025, 0.3001,
0.3259

■ 9.2990, 0.2126,
0.2841

■ 16.0478, 0.3147,
0.3295

■ 9.2493, 0.2121,
0.2834

■ 17.1897, 0.3294,
0.3327

■ 18.4312, 0.3440,
0.3355

■ 19.7755, 0.3583,
0.3381

■ 21.2252, 0.3723,
0.3404

Harmonies

Analogous

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



11.7181, 0.2655, 0.3435



11.7181, 0.2480, 0.3089



11.7181, 0.2467, 0.2828

Triad

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



11.7181, 0.2480, 0.3089



11.7181, 0.3269, 0.2882



11.7181, 0.3641, 0.3900

Complementary

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



11.7181, 0.2480, 0.3089



7.4597, 0.4278, 0.3474

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.



11.7181, 0.3829, 0.3707



11.7181, 0.2480, 0.3089



11.7181, 0.3611, 0.3131

Square

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



11.7181, 0.2480, 0.3089



11.7181, 0.2905, 0.2729



11.7181, 0.3820, 0.3426



11.7181, 0.3319, 0.3929

Rectangle

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



11.7181, 0.2480, 0.3089



11.7181, 0.2551, 0.2730



11.7181, 0.3820, 0.3426



11.7181, 0.3723, 0.3851

Sweetspot

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



11.7186, 0.2480, 0.3089



25.6865, 0.2905, 0.3234



12.6149, 0.2988, 0.4538



6.1058, 0.2882, 0.3227



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.



11.7186, 0.2480, 0.3089



19.7792, 0.2369, 0.3036



7.2998, 0.2355, 0.2388



3.7350, 0.2996, 0.3258



10.8671, 0.2120, 0.2830



53.1450, 0.2112, 0.2803

Inverse Universe

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



7.2871, 0.3330, 0.2318



11.0830, 0.3387, 0.2129



11.1947, 0.3991, 0.4041



3.4454, 0.3157, 0.3113



4.9429, 0.3607, 0.1761



24.5228, 0.3632, 0.1775

Previews

White Background



This preview shows how the Yxy color 11.7181, 0.2480, 0.3089 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 11.7181, 0.2480, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

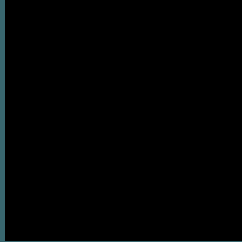
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7181, 0.2480, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 11.7181, 0.2480, 0.3089.



This preview shows how white text looks on a background with the Yxy color 11.7181, 0.2480, 0.3089.

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

11.7181, 0.2480, 0.3089

Protanopia

11.6047, 0.2961, 0.3038

Deuteranopia

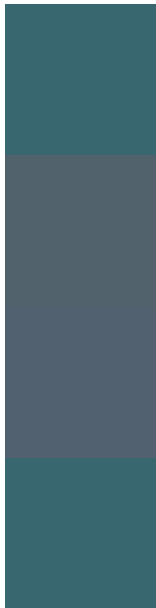
11.5623, 0.2911, 0.2847



Tritanopia

11.7181, 0.2480, 0.3089

Trichromacy



Original Color

11.7181, 0.2480, 0.3089

Protanomaly

11.5674, 0.2762, 0.3052

Deuteranomaly

11.5131, 0.2726, 0.2938

Tritanomaly

11.7181, 0.2480, 0.3089

Monochromacy



Original Color

11.7181, 0.2480, 0.3089

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6860, 0.2839, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7181, 0.2480, 0.3089 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(57, 103, 111)` looks like.

```
.text, #text, p{  
    color:rgb(57, 103, 111)  
}
```

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(57, 103, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 103, 111) }
```

Border

The CSS property to change the border of an element to Yxy 11.7181, 0.2480, 0.3089 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(57, 103, 111) }
```

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

```
.border{ border-color:rgb(57, 103, 111) }
```

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

Here you see how a box with a 4 pixel rgb(57, 103, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 103, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 103, 111);  
box-shadow:4px 4px 4px 4px rgb(57, 103,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7181, 0.2480, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 103, 111) }
```

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

```
.background{ background-color: rgb(57, 103,  
111) }
```

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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