

Converting Colors

$Y_{xy}(27.0796, 0.2354, 0.2781)$

Have a look what the booklet for
Yxy(27.0796, 0.2354, 0.2781)
contains.

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Color

Yxy(27.0393, 0.2357, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	5596B4
RGB	85, 150, 180
RGB Percent	33%, 59%, 71%
CMY	0.6666, 0.4118, 0.2941
CMYK	0.53, 0.17, 0.00, 0.29
HSL	199°, 39%, 52%
HSV	199°, 53%, 71%
XYZ	22.8921, 27.0393, 47.1925
YIQ	133.9850, -48.3700, -4.4500

Conversions

Conversions Part 2

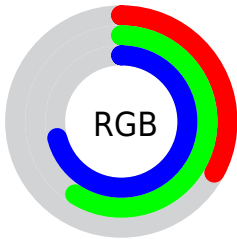
Format	Color
R _Y B	85, 124, 180
Decimal	5609140
CIE Lab	59.01, -12.23, -22.03
CIE LCh	59, 25.196, 240.956
Yxy	27.0393, 0.2357, 0.2784
Android (android.graphics.Color)	4283799220 (0xFF5596B4)
YUV	133.9850, 22.6854, -42.9598
Hunter-Lab	51.9993, -12.4162, -17.4097

Details

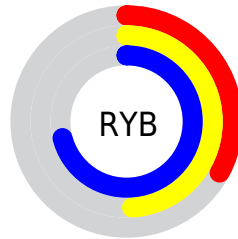
The Yxy color **27.0393, 0.2357, 0.2784** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.6265, 0.4375, 0.3722**, and the grayscale version is **23.7651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9046, 0.2511, 0.2889**, and **10.6266, 0.2107, 0.2597** is the 20% darker color. If you saturate the color by 10%, you get **24.5312, 0.2238, 0.2668**, and if you desaturate by 10%, it is **29.8518, 0.2490, 0.2895**.

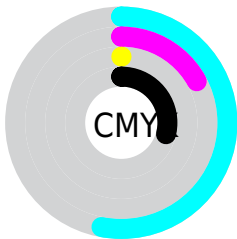
Distribution



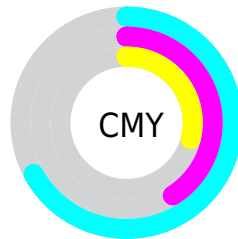
- Red (33%)
- Green (59%)
- Blue (71%)



- Red (33%)
- Yellow (49%)
- Blue (71%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (29%)



- Cyan (67%)
- Magenta (41%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0393, 0.2357, 0.2784 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 27.0393, 0.2357, 0.2784 by changing the saturation by 10% instead.

■ 27.0393, 0.2357,
0.2784

■ 27.0393, 0.2357,
0.2784

■ 287.8474, 0.2764,
0.3064

■ 17.6027, 0.2249,
0.2705

■ 54.9469, 0.2510,
0.2892

■ 10.6652, 0.2107,
0.2599

■ 74.1868, 0.2566,
0.2931

■ 5.8422, 0.1913,
0.2447

■ 97.4632, 0.2613,
0.2963

■ 2.7493, 0.1637,
0.2219

■ 125.1605, 0.2652,
0.2989

■ 1.0023, 0.1199,
0.1851

■ 157.6632, 0.2686,
0.3012

■ 0.0000, 0.0000,
0.0000

195.3557, 0.2716,

0.3032

238.6223, 0.2741,
0.3049

■ 27.0393, 0.2357,
0.2784

■ 27.0393, 0.2357,
0.2784

■ 24.5312, 0.2238,
0.2668

■ 29.8518, 0.2490,
0.2895

■ 22.3066, 0.2136,
0.2550

■ 32.9816, 0.2632,
0.3000

■ 20.3463, 0.2052,
0.2430

■ 36.4446, 0.2781,
0.3098

■ 18.6262, 0.1989,
0.2311

■ 40.2543, 0.2933,
0.3187

■ 17.4969, 0.1952,
0.2226

■ 44.4235, 0.3085,
0.3269

■ 48.9643, 0.3236,
0.3342

■ 53.8880, 0.3382,
0.3408

■ 59.2054, 0.3523,
0.3466

■ 64.9270, 0.3658,
0.3517

Harmonies

Analogous

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



27.0393, 0.2397, 0.3103



27.0393, 0.2357, 0.2784



27.0393, 0.2504, 0.2624

Triad

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



27.0393, 0.2357, 0.2784



27.0393, 0.3642, 0.3059



27.0393, 0.3404, 0.4049

Complementary

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



27.0393, 0.2357, 0.2784



22.6265, 0.4375, 0.3722

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.



27.0393, 0.3764, 0.3976



27.0393, 0.2357, 0.2784



27.0393, 0.3916, 0.3393

Square

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



27.0393, 0.2357, 0.2784



27.0393, 0.3230, 0.2788



27.0393, 0.3958, 0.3725



27.0393, 0.2984, 0.3880

Rectangle

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



27.0393, 0.2357, 0.2784



27.0393, 0.2695, 0.2611



27.0393, 0.3958, 0.3725



27.0393, 0.3536, 0.4050

Sweetspot

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



27.0403, 0.2357, 0.2784



70.4924, 0.2879, 0.3157



35.7791, 0.2873, 0.4454



14.9331, 0.2849, 0.3139



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



27.0403, 0.2357, 0.2784



43.9218, 0.2224, 0.2653



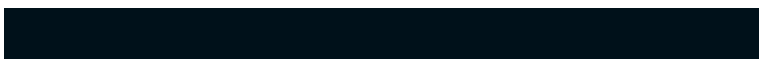
15.1320, 0.2192, 0.1958



9.1697, 0.2986, 0.3216



12.3363, 0.1956, 0.2241



0.4872, 0.2047, 0.2568

Inverse Universe

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



18.4060, 0.3584, 0.2392



28.0057, 0.3725, 0.2239



35.8512, 0.4009, 0.4328



8.6001, 0.3184, 0.3135



7.7855, 0.4189, 0.2081



0.2550, 0.3855, 0.1898

Previews

White Background



This preview shows how the Yxy color 27.0393, 0.2357, 0.2784 looks on a white background.

Color Contrast Check

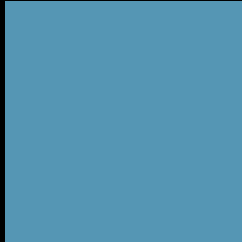
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.0393, 0.2357, 0.2784 looks on a black 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

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

Yxy 27.0393, 0.2357, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 27.0393, 0.2357, 0.2784.

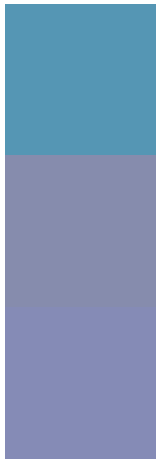


This preview shows how white text looks on a background with the Yxy color 27.0393, 0.2357, 0.2784.

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

27.0393, 0.2357, 0.2784

Protanopia

26.8416, 0.2761, 0.2770

Deuteranopia

26.8292, 0.2677, 0.2626



Tritanopia

27.2046, 0.2431, 0.3077

Trichromacy



Original Color

27.0393, 0.2357, 0.2784

Protanomaly

26.7941, 0.2586, 0.2770

Deuteranomaly

26.6941, 0.2547, 0.2680

Tritanomaly

27.1526, 0.2408, 0.2976

Monochromacy



Original Color

27.0393, 0.2357, 0.2784

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.7035, 0.2780, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0393, 0.2357, 0.2784 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(85, 150, 180)` looks like.

```
.text, #text, p{  
    color:rgb(85, 150, 180)  
}
```

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(85, 150, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 150, 180) }
```

Border

The CSS property to change the border of an element to Yxy 27.0393, 0.2357, 0.2784 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(85, 150, 180) }
```

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

```
.border{ border-color:rgb(85, 150, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 150, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 150, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 150, 180);  
box-shadow:4px 4px 4px 4px rgb(85, 150,  
180) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.0393, 0.2357, 0.2784$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 150, 180) }
```

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

```
.background{ background-color: rgb(85, 150,  
180) }
```

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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