

Converting Colors

$Y_{xy}(27.0458, 0.2369, 0.2800)$

Have a look what the booklet for
Yxy(27.0458, 0.2369, 0.2800)
contains.

Yxy(27.0458, 0.2369, 0.2800)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0458, 0.2369, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	5696B3
RGB	86, 150, 179
RGB Percent	34%, 59%, 70%
CMY	0.6626, 0.4118, 0.2980
CMYK	0.52, 0.16, 0.00, 0.30
HSL	199°, 38%, 52%
HSV	199°, 52%, 70%
XYZ	22.8827, 27.0458, 46.6637
YIQ	134.1700, -47.4530, -4.5490

Conversions

Conversions Part 2

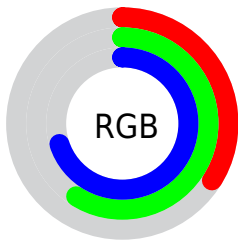
Format	Color
R _Y B	86, 124, 179
Decimal	5674675
CIE _{Lab}	59.02, -12.30, -21.45
CIE _{LCh}	59, 24.727, 240.167
Y _{xy}	27.0458, 0.2369, 0.2800
Android (android.graphics.Color)	4283864755 (0xFF5696B3)
Y _{UV}	134.1700, 22.1012, -42.2451
Hunter-Lab	52.0056, -12.4690, -16.7959

Details

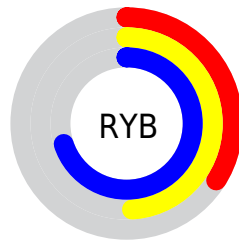
The Yxy color **27.0458, 0.2369, 0.2800** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.5257, 0.4350, 0.3711**, and the grayscale version is **23.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8466, 0.2516, 0.2900**, and **10.6242, 0.2121, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **24.5606, 0.2249, 0.2686**, and if you desaturate by 10%, it is **29.8308, 0.2502, 0.2909**.

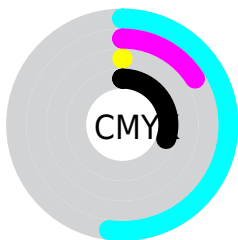
Distribution



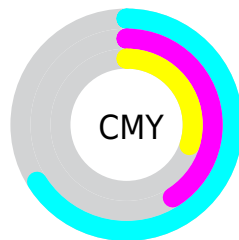
- Red (34%)
- Green (59%)
- Blue (70%)



- Red (34%)
- Yellow (49%)
- Blue (70%)



- Cyan (52%)
- Magenta (16%)
- Yellow (0%)
- Black (30%)



- Cyan (66%)
- Magenta (41%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0458, 0.2369, 0.2800 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 27.0458, 0.2369, 0.2800 by changing the saturation by 10% instead.

■ 27.0458, 0.2369,
0.2800

■ 27.0458, 0.2369,
0.2800

■ 287.8788, 0.2770,
0.3071

■ 17.6076, 0.2262,
0.2723

■ 54.9574, 0.2520,
0.2905

■ 10.6687, 0.2122,
0.2620

■ 74.1995, 0.2575,
0.2942

■ 5.8445, 0.1931,
0.2472

■ 97.4785, 0.2621,
0.2973

■ 2.7508, 0.1656,
0.2249

■ 125.1786, 0.2660,
0.2999

■ 1.0030, 0.1219,
0.1886

■ 157.6843, 0.2693,
0.3021

■ 0.0000, 0.0000,
0.0000

195.3800, 0.2722,

0.3040

238.6500, 0.2748,
0.3057

■ 27.0458, 0.2369,
0.2800

■ 27.0458, 0.2369,
0.2800

■ 24.5606, 0.2249,
0.2686

■ 29.8308, 0.2502,
0.2909

■ 22.3547, 0.2146,
0.2569

■ 32.9282, 0.2645,
0.3012

■ 20.4095, 0.2062,
0.2451

■ 36.3533, 0.2794,
0.3108

■ 18.7017, 0.1997,
0.2334

■ 40.1196, 0.2946,
0.3196

■ 17.4605, 0.1956,
0.2241

■ 44.2394, 0.3098,
0.3275

■ 48.7245, 0.3248,
0.3347

■ 53.5862, 0.3394,
0.3411

■ 58.8350, 0.3535,
0.3468

■ 64.4811, 0.3669,
0.3518

Harmonies

Analogous

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



27.0458, 0.2413, 0.3117



27.0458, 0.2369, 0.2800



27.0458, 0.2509, 0.2638

Triad

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



27.0458, 0.2369, 0.2800



27.0458, 0.3623, 0.3056



27.0458, 0.3410, 0.4035

Complementary

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



27.0458, 0.2369, 0.2800



22.5257, 0.4350, 0.3711

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.



27.0458, 0.3760, 0.3959



27.0458, 0.2369, 0.2800



27.0458, 0.3896, 0.3383

Square

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



27.0458, 0.2369, 0.2800



27.0458, 0.3217, 0.2791



27.0458, 0.3945, 0.3710



27.0458, 0.2998, 0.3875

Rectangle

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



27.0458, 0.2369, 0.2800



27.0458, 0.2694, 0.2622



27.0458, 0.3945, 0.3710



27.0458, 0.3539, 0.4034

Sweetspot

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



27.0468, 0.2369, 0.2800



68.8527, 0.2880, 0.3159



35.4346, 0.2876, 0.4432



14.9519, 0.2849, 0.3141



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.



27.0468, 0.2369, 0.2800



43.5239, 0.2237, 0.2673



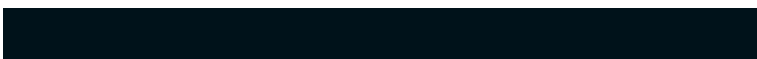
15.2613, 0.2208, 0.1983



9.1753, 0.2986, 0.3217



12.4579, 0.1960, 0.2255



0.4904, 0.2049, 0.2577

Inverse Universe

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



18.4463, 0.3569, 0.2401



27.7680, 0.3704, 0.2246



35.5401, 0.3995, 0.4314



8.6007, 0.3183, 0.3135



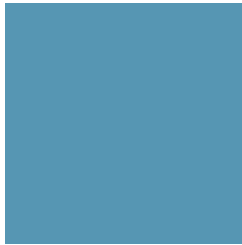
7.7978, 0.4174, 0.2073



0.2553, 0.3846, 0.1892

Previews

White Background



This preview shows how the Yxy color 27.0458, 0.2369, 0.2800 looks on a white background.

Color Contrast Check

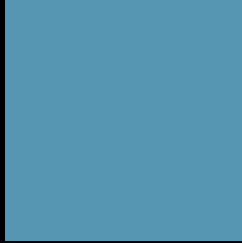
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0458, 0.2369, 0.2800 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 27.0458, 0.2369, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 27.0458, 0.2369, 0.2800.

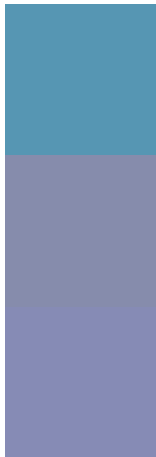


This preview shows how white text looks on a background with the Yxy color 27.0458, 0.2369, 0.2800.

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

27.0458, 0.2369, 0.2800

Protanopia

26.8031, 0.2769, 0.2785

Deuteranopia

26.8698, 0.2694, 0.2641



Tritanopia

26.9224, 0.2433, 0.3059

Trichromacy



Original Color

27.0458, 0.2369, 0.2800

Protanomaly

26.8236, 0.2601, 0.2786

Deuteranomaly

26.7221, 0.2562, 0.2696

Tritanomaly

26.8745, 0.2410, 0.2959

Monochromacy



Original Color

27.0458, 0.2369, 0.2800

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.7401, 0.2798, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0458, 0.2369, 0.2800 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(86, 150, 179)` looks like.

```
.text, #text, p{  
    color:rgb(86, 150, 179)  
}
```

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(86, 150, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 150, 179) }
```

Border

The CSS property to change the border of an element to Yxy 27.0458, 0.2369, 0.2800 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(86, 150, 179) }
```

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

```
.border{ border-color:rgb(86, 150, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 150, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 150, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 150, 179);  
box-shadow:4px 4px 4px 4px rgb(86, 150,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0458, 0.2369, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 150, 179) }
```

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

```
.background{ background-color: rgb(86, 150,  
179) }
```

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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