

Converting Colors

$Y_{xy}(20.3686, 0.2360, 0.2889)$

Have a look what the booklet for
Yxy(20.3686, 0.2360, 0.2889)
contains.

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Color

$\text{Yxy}(20.3734, 0.2359, 0.2883)$

Conversions

Conversions Part 1

Format	Color
Hex	45859A
RGB	69, 133, 154
RGB Percent	27%, 52%, 60%
CMY	0.7297, 0.4784, 0.3961
CMYK	0.55, 0.14, 0.00, 0.40
HSL	195°, 38%, 44%
HSV	195°, 55%, 60%
XYZ	16.6704, 20.3734, 33.6235
YIQ	116.2580, -44.8850, -7.0370

Conversions

Conversions Part 2

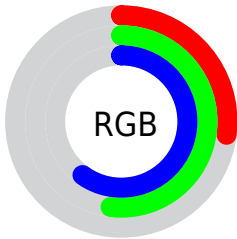
Format	Color
R _{YB}	69, 106, 154
Decimal	4556186
CIE Lab	52.26, -14.33, -17.50
CIE LCh	52, 22.618, 230.687
Yxy	20.3734, 0.2359, 0.2883
Android (android.graphics.Color)	4282746266 (0xFF45859A)
YUV	116.2580, 18.6068, -41.4453
Hunter-Lab	45.1369, -13.0641, -12.5707

Details

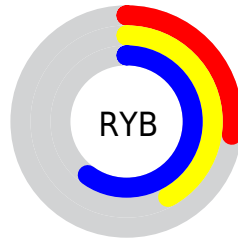
The Yxy color **20.3734, 0.2359, 0.2883** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5966, 0.4497, 0.3637**, and the grayscale version is **17.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9570, 0.2527, 0.2982**, and **7.1658, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **18.8612, 0.2254, 0.2795**, and if you desaturate by 10%, it is **22.0708, 0.2479, 0.2968**.

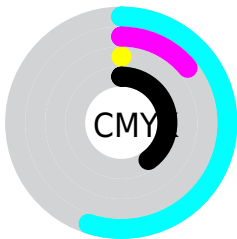
Distribution



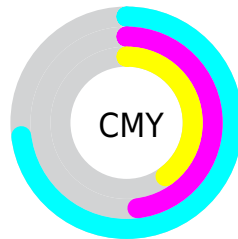
- Red (27%)
- Green (52%)
- Blue (60%)



- Red (27%)
- Yellow (42%)
- Blue (60%)



- Cyan (55%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)



- Cyan (73%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3734, 0.2359, 0.2883 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 20.3734, 0.2359, 0.2883 by changing the saturation by 10% instead.

20.3734, 0.2359,
0.2883

20.3734, 0.2359,
0.2883

253.9294, 0.2784,
0.3121

12.6668, 0.2239,
0.2809

44.0423, 0.2524,
0.2979

7.1995, 0.2075,
0.2704

60.7734, 0.2582,
0.3012

3.5872, 0.1842,
0.2545

81.2814, 0.2631,
0.3039

1.4454, 0.1488,
0.2279

105.9508, 0.2671,
0.3061

0.2498, 0.0000,
0.1351

135.1659, 0.2706,
0.3080

0.0000, 0.0000,
0.0000

169.3111, 0.2735,

0.3096

208.7708, 0.2761,
0.3109

■ 20.3734, 0.2359,
0.2883

■ 20.3734, 0.2359,
0.2883

■ 18.8612, 0.2254,
0.2795

■ 22.0708, 0.2479,
0.2968

■ 17.5201, 0.2166,
0.2706

■ 23.9619, 0.2611,
0.3049

■ 16.3370, 0.2096,
0.2615

■ 26.0573, 0.2752,
0.3124

■ 15.2942, 0.2045,
0.2526

■ 28.3659, 0.2899,
0.3194

■ 14.8256, 0.2023,
0.2483

■ 30.8961, 0.3049,
0.3259

■ 33.6559, 0.3198,
0.3317

■ 36.6528, 0.3347,
0.3369

■ 39.8939, 0.3491,
0.3416

■ 43.3860, 0.3631,
0.3457

Harmonies

Analogous

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



20.3734, 0.2462, 0.3241



20.3734, 0.2359, 0.2883



20.3734, 0.2442, 0.2668

Triad

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



20.3734, 0.2359, 0.2883



20.3734, 0.3505, 0.2961



20.3734, 0.3535, 0.4039

Complementary

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



20.3734, 0.2359, 0.2883



14.5966, 0.4497, 0.3637

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.



20.3734, 0.3844, 0.3897



20.3734, 0.2359, 0.2883



20.3734, 0.3835, 0.3276

Square

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



20.3734, 0.2359, 0.2883



20.3734, 0.3082, 0.2727



20.3734, 0.3960, 0.3613



20.3734, 0.3128, 0.3955

Rectangle

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



20.3734, 0.2359, 0.2883



20.3734, 0.2595, 0.2617



20.3734, 0.3960, 0.3613



20.3734, 0.3654, 0.4014

Sweetspot

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



20.3742, 0.2359, 0.2883



50.6168, 0.2868, 0.3180



25.0902, 0.2909, 0.4621



11.2787, 0.2841, 0.3167



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.3742, 0.2359, 0.2883



33.7317, 0.2234, 0.2777



11.1836, 0.2182, 0.2020



6.7683, 0.2989, 0.3234



12.1375, 0.2025, 0.2490



0.2369, 0.2135, 0.2885

Inverse Universe

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



12.8114, 0.3507, 0.2283



19.5256, 0.3621, 0.2115



23.6151, 0.4089, 0.4281



6.2976, 0.3173, 0.3124



6.6306, 0.3932, 0.1940



0.1047, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 20.3734, 0.2359, 0.2883 looks on a white background.

Color Contrast Check

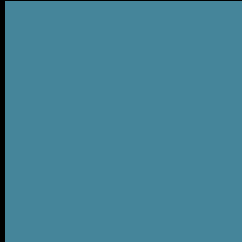
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3734, 0.2359, 0.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

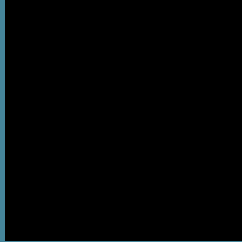
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3734, 0.2359, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 20.3734, 0.2359, 0.2883.



This preview shows how white text looks on a background with the Yxy color 20.3734, 0.2359, 0.2883.

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

20.3734, 0.2359, 0.2883

Protanopia

20.1944, 0.2827, 0.2860

Deuteranopia

20.2413, 0.2739, 0.2696



Tritanopia

20.2528, 0.2407, 0.3069

Trichromacy



Original Color

20.3734, 0.2359, 0.2883

Protanomaly

20.1475, 0.2623, 0.2863

Deuteranomaly

20.0550, 0.2579, 0.2759

Tritanomaly

20.3816, 0.2392, 0.3012

Monochromacy



Original Color

20.3734, 0.2359, 0.2883

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.1834, 0.2777, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3734, 0.2359, 0.2883 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(69, 133, 154)` looks like.

```
.text, #text, p{  
    color:rgb(69, 133, 154)  
}
```

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(69, 133, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 133, 154) }
```

Border

The CSS property to change the border of an element to Yxy 20.3734, 0.2359, 0.2883 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(69, 133, 154) }
```

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

```
.border{ border-color:rgb(69, 133, 154) }
```

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

Here you see how a box with a 4 pixel rgb(69, 133, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 133, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 133, 154);  
box-shadow:4px 4px 4px 4px rgb(69, 133,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3734, 0.2359, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 133, 154) }
```

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

```
.background{ background-color: rgb(69, 133,  
154) }
```

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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