

Converting Colors

$Y_{xy}(24.0128, 0.2583, 0.3221)$

Have a look what the booklet for
Yxy(24.0128, 0.2583, 0.3221)
contains.

Yxy(24.1769, 0.2589, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(24.1769, 0.2589, 0.3233)$

Conversions

Conversions Part 1

Format	Color
Hex	599093
RGB	89, 144, 147
RGB Percent	35%, 56%, 58%
CMY	0.6508, 0.4353, 0.4236
CMYK	0.39, 0.02, 0.00, 0.42
HSL	183°, 25%, 46%
HSV	183°, 39%, 58%
XYZ	19.3610, 24.1769, 31.2438
YIQ	127.8970, -33.7430, -10.7270

Conversions

Conversions Part 2

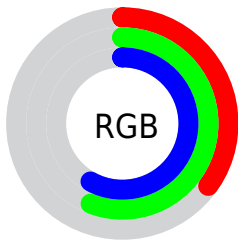
Format	Color
R_{YB}	89, 117, 147
Decimal	5869715
CIE _{Lab}	56.26, -17.29, -7.32
CIE _{LCh}	56, 18.778, 202.950
Yxy	24.1769, 0.2589, 0.3233
Android (android.graphics.Color)	4284059795 (0xFF599093)
YUV	127.8970, 9.4178, -34.1127
Hunter-Lab	49.1700, -15.7622, -3.2552

Details

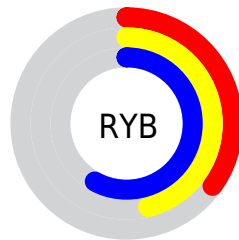
The Yxy color **24.1769, 0.2589, 0.3233** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5820, 0.4052, 0.3345**, and the grayscale version is **21.5272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3560, 0.2702, 0.3248**, and **9.0851, 0.2388, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **23.2927, 0.2482, 0.3217**, and if you desaturate by 10%, it is **25.2097, 0.2710, 0.3249**.

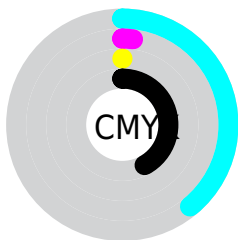
Distribution



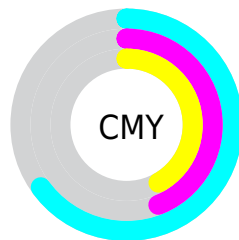
- Red (35%)
- Green (56%)
- Blue (58%)



- Red (35%)
- Yellow (46%)
- Blue (58%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (42%)





- Cyan (65%)
- Magenta (44%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1769, 0.2589, 0.3233 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 24.1769, 0.2589, 0.3233 by changing the saturation by 10% instead.


 24.1769, 0.2589,
0.3233


 24.1769, 0.2589,
0.3233


273.7136, 0.2883,
0.3270


 15.4649, 0.2506,
0.3220


 50.3187, 0.2702,
0.3249


 9.1463, 0.2394,
0.3201


 68.5173, 0.2743,
0.3254

 4.8367, 0.2233,
0.3169

 90.6469, 0.2776,
0.3258

 2.1518, 0.1984,
0.3109

 117.0919, 0.2805,
0.3261

 0.6935, 0.1063,
0.3109

148.2367, 0.2829,
0.3264

 0.0000, 0.0000,
0.0000

184.4656, 0.2849,

0.3266

226.1631, 0.2867,
0.3268

■ 24.1769, 0.2589,
0.3233

■ 24.1769, 0.2589,
0.3233

■ 23.2927, 0.2482,
0.3217

■ 25.2097, 0.2710,
0.3249

■ 22.5457, 0.2392,
0.3200

■ 26.3964, 0.2844,
0.3264

■ 21.9270, 0.2319,
0.3183

■ 27.7451, 0.2987,
0.3278

■ 21.4260, 0.2265,
0.3166

■ 29.2629, 0.3136,
0.3291

■ 21.0299, 0.2228,
0.3149

■ 30.9562, 0.3289,
0.3303

■ 20.7080, 0.2205,
0.3132

■ 32.8312, 0.3444,
0.3313

■ 20.6899, 0.2203,
0.3131

■ 34.8938, 0.3598,
0.3323

■ 37.1496, 0.3749,
0.3331

■ 39.6039, 0.3896,
0.3338

Harmonies

Analogous

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



24.1769, 0.2802, 0.3547



24.1769, 0.2589, 0.3233



24.1769, 0.2515, 0.2957

Triad

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



24.1769, 0.2589, 0.3233



24.1769, 0.3120, 0.2851



24.1769, 0.3679, 0.3786

Complementary

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



24.1769, 0.2589, 0.3233



14.5820, 0.4052, 0.3345

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.



24.1769, 0.3779, 0.3573



24.1769, 0.2589, 0.3233



24.1769, 0.3448, 0.3047

Square

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



24.1769, 0.2589, 0.3233



24.1769, 0.2810, 0.2757



24.1769, 0.3694, 0.3305



24.1769, 0.3430, 0.3875

Rectangle

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



24.1769, 0.2589, 0.3233



24.1769, 0.2551, 0.2832



24.1769, 0.3694, 0.3305



24.1769, 0.3732, 0.3725

Sweetspot

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



24.1779, 0.2589, 0.3233



48.9863, 0.2945, 0.3274



23.7603, 0.3049, 0.4394



11.1178, 0.2929, 0.3272



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.1779, 0.2589, 0.3233



41.9382, 0.2497, 0.3219



16.5192, 0.2504, 0.2664



6.5115, 0.2990, 0.3278



17.9520, 0.2204, 0.3132



0.2324, 0.2227, 0.3216

Inverse Universe

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



15.3661, 0.3211, 0.2391



24.0582, 0.3232, 0.2211



20.5761, 0.3856, 0.3840



5.9041, 0.3145, 0.3083



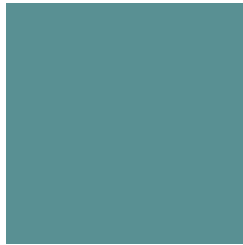
7.0056, 0.3339, 0.1613



0.0870, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 24.1769, 0.2589, 0.3233 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 24.1769, 0.2589, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

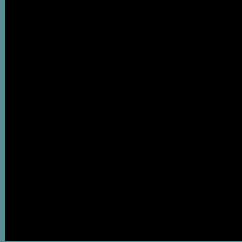
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1769, 0.2589, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 24.1769, 0.2589, 0.3233.

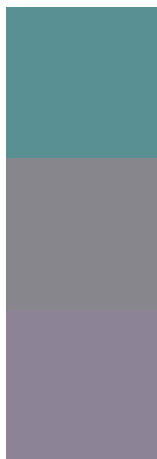


This preview shows how white text looks on a background with the Yxy color 24.1769, 0.2589, 0.3233.

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

24.1769, 0.2589, 0.3233

Protanopia

24.1242, 0.3066, 0.3171

Deuteranopia

24.0101, 0.3030, 0.2977



Tritanopia

24.2022, 0.2548, 0.3088

Trichromacy



Original Color

24.1769, 0.2589, 0.3233

Protanomaly

24.0117, 0.2868, 0.3201

Deuteranomaly

23.8432, 0.2841, 0.3064

Tritanomaly

24.0529, 0.2563, 0.3142

Monochromacy



Original Color

24.1769, 0.2589, 0.3233

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.3769, 0.2900, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1769, 0.2589, 0.3233 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(89, 144, 147)` looks like.

```
.text, #text, p{  
  color:rgb(89, 144, 147)  
}
```

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(89, 144, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 144, 147) }
```

Border

The CSS property to change the border of an element to Yxy 24.1769, 0.2589, 0.3233 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(89, 144, 147) }
```

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

```
.border{ border-color:rgb(89, 144, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 144, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 144, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 144, 147);  
box-shadow:4px 4px 4px 4px rgb(89, 144,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1769, 0.2589, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 144, 147) }
```

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

```
.background{ background-color: rgb(89, 144,  
147) }
```

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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