

Converting Colors

$Y_{xy}(24.1980, 0.2594, 0.3261)$

Have a look what the booklet for
Yxy(24.1980, 0.2594, 0.3261)
contains.

Yxy(24.0965, 0.2589, 0.3251)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.0965, 0.2589, 0.3251)$

Conversions

Conversions Part 1

Format	Color
Hex	589092
RGB	88, 144, 146
RGB Percent	35%, 56%, 57%
CMY	0.6547, 0.4353, 0.4274
CMYK	0.40, 0.01, 0.00, 0.43
HSL	182°, 25%, 46%
HSV	182°, 40%, 57%
XYZ	19.1897, 24.0965, 30.8340
YIQ	127.4840, -34.0180, -11.2500

Conversions

Conversions Part 2

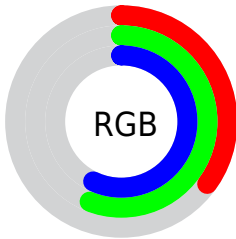
Format	Color
R_{YB}	88, 116, 146
Decimal	5804178
CIE _{Lab}	56.18, -17.82, -6.88
CIE _{LCh}	56, 19.098, 201.119
Yxy	24.0965, 0.2589, 0.3251
Android (android.graphics.Color)	4283994258 (0xFF589092)
YUV	127.4840, 9.1284, -34.6275
Hunter-Lab	49.0882, -16.1244, -2.8804

Details

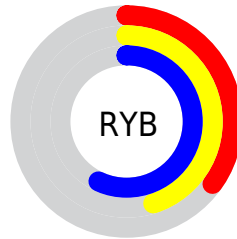
The Yxy color **24.0965, 0.2589, 0.3251** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.1394, 0.4068, 0.3328**, and the grayscale version is **21.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2210, 0.2702, 0.3262**, and **9.0483, 0.2390, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **23.3015, 0.2484, 0.3240**, and if you desaturate by 10%, it is **25.0368, 0.2709, 0.3262**.

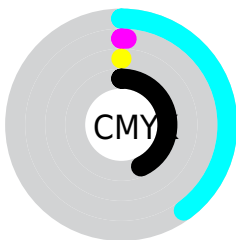
Distribution



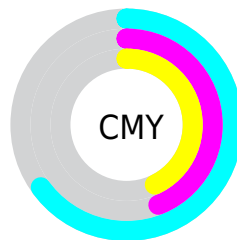
- Red (35%)
- Green (56%)
- Blue (57%)



- Red (35%)
- Yellow (45%)
- Blue (57%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (43%)





- Cyan (65%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0965, 0.2589, 0.3251 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 24.0965, 0.2589, 0.3251 by changing the saturation by 10% instead.


 24.0965, 0.2589,
0.3251


 24.0965, 0.2589,
0.3251


273.3080, 0.2883,
0.3278


 15.4052, 0.2506,
0.3241


 50.1876, 0.2703,
0.3263

 9.1043, 0.2393,
0.3226


 68.3563, 0.2743,
0.3267

 4.8093, 0.2232,
0.3199

 90.4528, 0.2777,
0.3270

 2.1358, 0.1982,
0.3149

 116.8617, 0.2805,
0.3272

 0.6846, 0.1003,
0.3182

147.9672, 0.2829,
0.3274

 0.0000, 0.0000,
0.0000

184.1539, 0.2849,

0.3275

225.8060, 0.2867,
0.3277

■ 24.0965, 0.2589,
0.3251

■ 24.0965, 0.2589,
0.3251

■ 23.3015, 0.2484,
0.3240

■ 25.0368, 0.2709,
0.3262

■ 22.6404, 0.2396,
0.3229

■ 26.1275, 0.2841,
0.3272

■ 22.1046, 0.2326,
0.3217

■ 27.3767, 0.2983,
0.3281

■ 21.6835, 0.2274,
0.3206

■ 28.7913, 0.3132,
0.3290

■ 21.3645, 0.2240,
0.3195

■ 30.3776, 0.3285,
0.3298

■ 21.1160, 0.2218,
0.3184

■ 32.1418, 0.3441,
0.3306

■ 21.1084, 0.2218,
0.3183

■ 34.0896, 0.3596,
0.3312

■ 36.2265, 0.3748,
0.3318

■ 38.5579, 0.3897,
0.3323

Harmonies

Analogous

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



24.0965, 0.2813, 0.3570



24.0965, 0.2589, 0.3251



24.0965, 0.2505, 0.2965

Triad

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



24.0965, 0.2589, 0.3251



24.0965, 0.3099, 0.2834



24.0965, 0.3700, 0.3784

Complementary

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



24.0965, 0.2589, 0.3251



14.1394, 0.4068, 0.3328

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.



24.0965, 0.3791, 0.3561



24.0965, 0.2589, 0.3251



24.0965, 0.3434, 0.3028

Square

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



24.0965, 0.2589, 0.3251



24.0965, 0.2787, 0.2746



24.0965, 0.3693, 0.3288



24.0965, 0.3453, 0.3885

Rectangle

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



24.0965, 0.2589, 0.3251



24.0965, 0.2535, 0.2833



24.0965, 0.3693, 0.3288



24.0965, 0.3750, 0.3720

Sweetspot

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



24.0974, 0.2589, 0.3251



47.7045, 0.2946, 0.3279



23.3736, 0.3056, 0.4422



10.5563, 0.2930, 0.3278



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.0974, 0.2589, 0.3251



41.1982, 0.2491, 0.3241



16.4362, 0.2503, 0.2679



6.5281, 0.2990, 0.3282



18.5820, 0.2218, 0.3184



0.2361, 0.2233, 0.3240

Inverse Universe

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



15.1130, 0.3199, 0.2372



23.0656, 0.3217, 0.2175



20.0007, 0.3868, 0.3828



5.9058, 0.3142, 0.3079



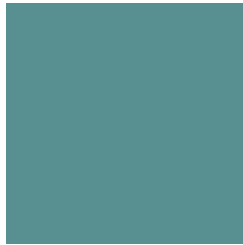
7.0692, 0.3295, 0.1589



0.0874, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 24.0965, 0.2589, 0.3251 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 24.0965, 0.2589, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

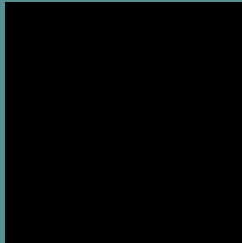
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0965, 0.2589, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 24.0965, 0.2589, 0.3251.

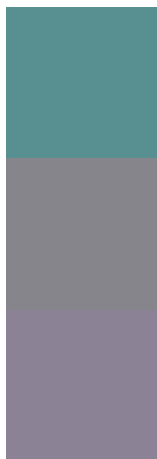


This preview shows how white text looks on a background with the Yxy color 24.0965, 0.2589, 0.3251.

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

24.0965, 0.2589, 0.3251

Protanopia

23.8194, 0.3077, 0.3171

Deuteranopia

23.7106, 0.3040, 0.2976



Tritanopia

24.1517, 0.2541, 0.3088

Trichromacy



Original Color

24.0965, 0.2589, 0.3251

Protanomaly

23.6959, 0.2877, 0.3201

Deuteranomaly

23.5310, 0.2850, 0.3063

Tritanomaly

24.0031, 0.2556, 0.3141

Monochromacy



Original Color

24.0965, 0.2589, 0.3251

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.0070, 0.2898, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0965, 0.2589, 0.3251 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(88, 144, 146)` looks like.

```
.text, #text, p{  
    color:rgb(88, 144, 146)  
}
```

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(88, 144, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 144, 146) }
```

Border

The CSS property to change the border of an element to Yxy 24.0965, 0.2589, 0.3251 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(88, 144, 146) }
```

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

```
.border{ border-color:rgb(88, 144, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 144, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 144, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 144, 146);  
box-shadow:4px 4px 4px 4px rgb(88, 144,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0965, 0.2589, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 144, 146) }
```

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

```
.background{ background-color: rgb(88, 144,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor