

Converting Colors

$Y_{xy}(27.5388, 0.2543, 0.3239)$

Have a look what the booklet for
Yxy(27.5388, 0.2543, 0.3239)
contains.

Yxy(27.6202, 0.2538, 0.3235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6202, 0.2538, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	589A9D
RGB	88, 154, 157
RGB Percent	35%, 60%, 62%
CMY	0.6547, 0.3961, 0.3843
CMYK	0.44, 0.02, 0.00, 0.38
HSL	183°, 28%, 48%
HSV	183°, 44%, 62%
XYZ	21.6693, 27.6202, 36.0898
YIQ	134.6080, -40.2990, -13.0590

Conversions

Conversions Part 2

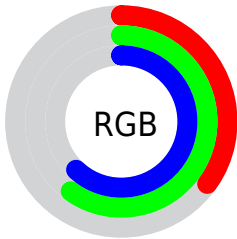
Format	Color
R_{YB}	88, 122, 157
Decimal	5806749
CIE _{Lab}	59.54, -20.17, -8.16
CIE _{LCh}	60, 21.761, 202.032
Yxy	27.6202, 0.2538, 0.3235
Android (android.graphics.Color)	4283996829 (0xFF589A9D)
YUV	134.6080, 11.0393, -40.8752
Hunter-Lab	52.5549, -18.3726, -3.9264

Details

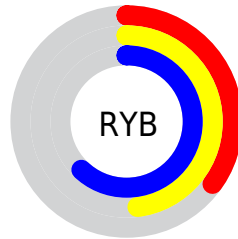
The Yxy color **27.6202, 0.2538, 0.3235** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.3659, 0.4224, 0.3343**, and the grayscale version is **24.0498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1052, 0.2655, 0.3250**, and **11.0482, 0.2337, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **26.7097, 0.2439, 0.3221**, and if you desaturate by 10%, it is **28.6992, 0.2653, 0.3249**.

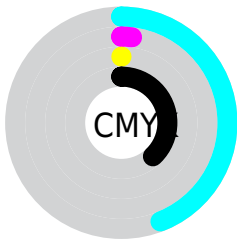
Distribution



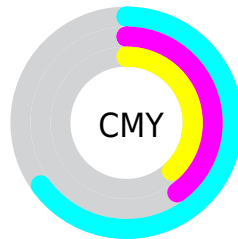
- Red (35%)
- Green (60%)
- Blue (62%)



- Red (35%)
- Yellow (48%)
- Blue (62%)



- Cyan (44%)
- Magenta (2%)
- Yellow (0%)
- Black (38%)




- Cyan (65%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6202, 0.2538, 0.3235 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 27.6202, 0.2538, 0.3235 by changing the saturation by 10% instead.

 27.6202, 0.2538,
0.3235


 27.6202, 0.2538,
0.3235


290.6476, 0.2853,
0.3271


 18.0396, 0.2452,
0.3222


 55.8775, 0.2657,
0.3251

 10.9784, 0.2338,
0.3204


 75.3229, 0.2701,
0.3256

 6.0523, 0.2179,
0.3173

 98.8254, 0.2737,
0.3260

 2.8769, 0.1941,
0.3118

 126.7694, 0.2767,
0.3263

 1.0678, 0.1456,
0.3037

159.5392, 0.2793,
0.3265

 0.0000, 0.0000,
0.0000

197.5192, 0.2816,

0.3268

241.0939, 0.2835,
0.3270

■ 27.6202, 0.2538,
0.3235

■ 27.6202, 0.2538,
0.3235

■ 26.7097, 0.2439,
0.3221

■ 28.6992, 0.2653,
0.3249

■ 25.9538, 0.2358,
0.3206

■ 29.9531, 0.2781,
0.3262

■ 25.3416, 0.2295,
0.3192

■ 31.3921, 0.2920,
0.3274


■ 24.8593, 0.2250,
0.3178


■ 33.0246, 0.3068,
0.3286

■ 24.4907, 0.2222,
0.3164


■ 34.8583, 0.3220,
0.3296

 24.2957, 0.2210,
0.3155

 36.9008, 0.3376,
0.3306

 39.1590, 0.3532,
0.3315

 41.6397, 0.3686,
0.3322

 44.3493, 0.3836,
0.3329

Harmonies

Analogous

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



27.6202, 0.2775, 0.3586



27.6202, 0.2538, 0.3235



27.6202, 0.2453, 0.2927

Triad

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



27.6202, 0.2538, 0.3235



27.6202, 0.3107, 0.2802



27.6202, 0.3744, 0.3831

Complementary

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



27.6202, 0.2538, 0.3235



15.3659, 0.4224, 0.3343

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.



27.6202, 0.3851, 0.3590



27.6202, 0.2538, 0.3235



27.6202, 0.3472, 0.3014

Square

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



27.6202, 0.2538, 0.3235



27.6202, 0.2766, 0.2702



27.6202, 0.3751, 0.3295



27.6202, 0.3470, 0.3940

Rectangle

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



27.6202, 0.2538, 0.3235



27.6202, 0.2489, 0.2787



27.6202, 0.3751, 0.3295



27.6202, 0.3801, 0.3762

Sweetspot

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



27.6213, 0.2538, 0.3235



56.4006, 0.2930, 0.3275



26.9371, 0.3048, 0.4574



12.2859, 0.2900, 0.3273



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.



27.6213, 0.2538, 0.3235



47.8156, 0.2438, 0.3221



17.9992, 0.2431, 0.2596



7.4598, 0.2988, 0.3280



19.7452, 0.2210, 0.3156



0.3667, 0.2226, 0.3213

Inverse Universe

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



16.4887, 0.3216, 0.2282



25.3178, 0.3237, 0.2080



22.4970, 0.3972, 0.3889



6.7496, 0.3144, 0.3079



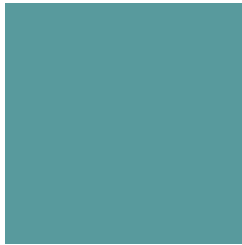
7.6155, 0.3319, 0.1602



0.1375, 0.3271, 0.1576

Previews

White Background



This preview shows how the Yxy color 27.6202, 0.2538, 0.3235 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 27.6202, 0.2538, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

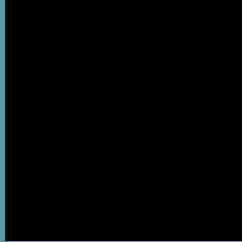
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6202, 0.2538, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 27.6202, 0.2538, 0.3235.



This preview shows how white text looks on a background with the Yxy color 27.6202, 0.2538, 0.3235.

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

27.6202, 0.2538, 0.3235

Protanopia

27.3877, 0.3059, 0.3161

Deuteranopia

27.2992, 0.3016, 0.2962



Tritanopia

27.6727, 0.2494, 0.3081

Trichromacy



Original Color

27.6202, 0.2538, 0.3235

Protanomaly

27.0686, 0.2835, 0.3171

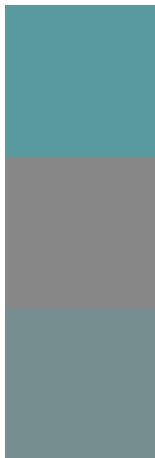
Deuteranomaly

26.8853, 0.2809, 0.3041

Tritanomaly

27.5149, 0.2507, 0.3131

Monochromacy



Original Color

27.6202, 0.2538, 0.3235

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1807, 0.2872, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6202, 0.2538, 0.3235 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, 154, 157)` looks like.

```
.text, #text, p{  
  color:rgb(88, 154, 157)  
}
```

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, 154, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 154, 157) }
```

Border

The CSS property to change the border of an element to Yxy 27.6202, 0.2538, 0.3235 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, 154, 157) }
```

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

```
.border{ border-color:rgb(88, 154, 157) }
```

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

Here you see how a box with a 4 pixel rgb(88, 154, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 154, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 154, 157);  
box-shadow:4px 4px 4px 4px rgb(88, 154,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6202, 0.2538, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 154, 157) }
```

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

```
.background{ background-color: rgb(88, 154,  
157) }
```

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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