

Converting Colors

$Y_{xy}(27.8832, 0.2523, 0.3250)$

Have a look what the booklet for
Yxy(27.8832, 0.2523, 0.3250)
contains.

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Color

Yxy(27.8554, 0.2528, 0.3253)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 569B9D |
| RGB | 86, 155, 157 |
| RGB Percent | 34%, 61%, 62% |
| CMY | 0.6625, 0.3922, 0.3844 |
| CMYK | 0.45, 0.01, 0.00, 0.38 |
| HSL | 182°, 29%, 48% |
| HSV | 182°, 45%, 62% |
| XYZ | 21.6472, 27.8554, 36.1272 |
| YIQ | 134.5970, -41.7660, -14.0060 |

Conversions

Conversions Part 2

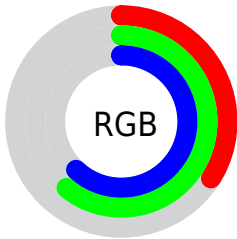
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 86, 121, 157 |
| Decimal | 5675933 |
| CIE Lab | 59.76, -21.20, -7.84 |
| CIE LCh | 60, 22.601, 200.302 |
| Yxy | 27.8554, 0.2528, 0.3253 |
| Android (android.graphics.Color) | 4283866013 (0xFF569B9D) |
| YUV | 134.5970, 11.0447, -42.6196 |
| Hunter-Lab | 52.7782, -19.1493, -3.6399 |

Details

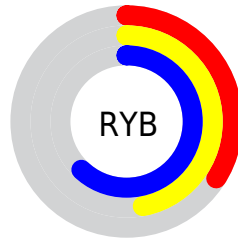
The Yxy color $27.8554, 0.2528, 0.3253$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $14.8257, 0.4280, 0.3326$, and the grayscale version is $24.0461, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.4221, 0.2645, 0.3263$, and $11.2024, 0.2327, 0.3235$ is the 20% darker color. If you saturate the color by 10%, you get $27.0446, 0.2433, 0.3244$, and if you desaturate by 10%, it is $28.8326, 0.2639, 0.3262$.

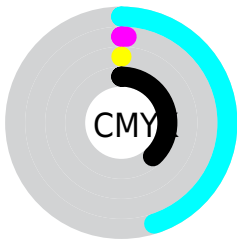
Distribution



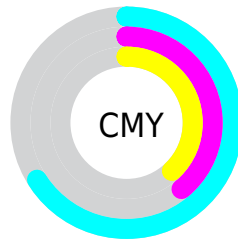
- Red (34%)
- Green (61%)
- Blue (62%)



- Red (34%)
- Yellow (47%)
- Blue (62%)



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)




- Cyan (66%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8554, 0.2528, 0.3253 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 27.8554, 0.2528, 0.3253 by changing the saturation by 10% instead.


 27.8554, 0.2528,
0.3253


 27.8554, 0.2528,
0.3253


291.7753, 0.2848,
0.3279


 18.2167, 0.2441,
0.3243


 56.2535, 0.2649,
0.3265

 11.1057, 0.2326,
0.3228


 75.7817, 0.2693,
0.3269

 6.1380, 0.2164,
0.3202

 99.3751, 0.2730,
0.3272

 2.9291, 0.1924,
0.3155

 127.4182, 0.2761,
0.3274

 1.0949, 0.1436,
0.3088

160.2954, 0.2787,
0.3276

 0.0000, 0.0000,
0.0000

198.3911, 0.2810,

0.3277

242.0896, 0.2830,
0.3278

■ 27.8554, 0.2528,
0.3253

■ 27.8554, 0.2528,
0.3253

■ 27.0446, 0.2433,
0.3244

■ 28.8326, 0.2639,
0.3262

■ 26.3861, 0.2356,
0.3235

■ 29.9828, 0.2765,
0.3271

■ 25.8689, 0.2297,
0.3225

■ 31.3162, 0.2902,
0.3279


■ 25.4790, 0.2256,
0.3216


■ 32.8411, 0.3049,
0.3286

■ 25.1984, 0.2232,
0.3207

■ 34.5655, 0.3201,
0.3293

 25.0804, 0.2223,
0.3203

 36.4970, 0.3357,
0.3300

 38.6424, 0.3514,
0.3306

 41.0087, 0.3669,
0.3311

 43.6022, 0.3822,
0.3315

Harmonies

Analogous

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



27.8554, 0.2781, 0.3616



27.8554, 0.2528, 0.3253



27.8554, 0.2431, 0.2929

Triad

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



27.8554, 0.2528, 0.3253



27.8554, 0.3083, 0.2776



27.8554, 0.3777, 0.3838

Complementary

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



27.8554, 0.2528, 0.3253



14.8257, 0.4280, 0.3326

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.



27.8554, 0.3877, 0.3582



27.8554, 0.2528, 0.3253



27.8554, 0.3463, 0.2989

Square

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



27.8554, 0.2528, 0.3253



27.8554, 0.2736, 0.2681



27.8554, 0.3761, 0.3276



27.8554, 0.3501, 0.3962

Rectangle

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



27.8554, 0.2528, 0.3253



27.8554, 0.2461, 0.2779



27.8554, 0.3761, 0.3276



27.8554, 0.3833, 0.3763

Sweetspot

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



27.8565, 0.2528, 0.3253



56.3306, 0.2916, 0.3279



26.7821, 0.3054, 0.4640



12.2822, 0.2887, 0.3278



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.



27.8565, 0.2528, 0.3253



48.4627, 0.2434, 0.3244



17.9290, 0.2415, 0.2595



7.4776, 0.2988, 0.3283



20.3833, 0.2223, 0.3204



0.3734, 0.2233, 0.3240

Inverse Universe

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



16.1971, 0.3204, 0.2241



25.0272, 0.3221, 0.2045



21.9314, 0.4011, 0.3887



6.7514, 0.3142, 0.3076



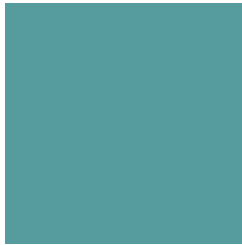
7.6799, 0.3279, 0.1580



0.1382, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 27.8554, 0.2528, 0.3253 looks on a white background.

Color Contrast Check

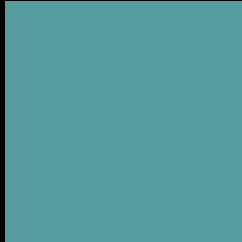
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8554, 0.2528, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

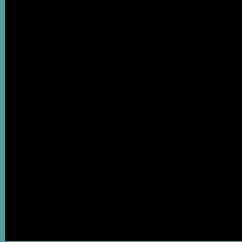
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8554, 0.2528, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 27.8554, 0.2528, 0.3253.

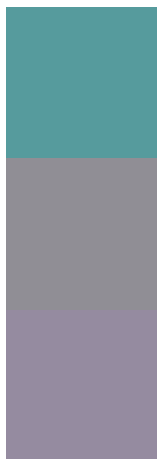


This preview shows how white text looks on a background with the Yxy color 27.8554, 0.2528, 0.3253.

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

27.8554, 0.2528, 0.3253

Protanopia

27.4452, 0.3080, 0.3177

Deuteranopia

27.3929, 0.3026, 0.2963



Tritanopia

27.9882, 0.2483, 0.3081

Trichromacy



Original Color

27.8554, 0.2528, 0.3253

Protanomaly

27.3454, 0.2845, 0.3205

Deuteranomaly

27.1896, 0.2810, 0.3058

Tritanomaly

27.8303, 0.2497, 0.3131

Monochromacy



Original Color

27.8554, 0.2528, 0.3253

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1111, 0.2862, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8554, 0.2528, 0.3253 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, 155, 157)` looks like.

```
.text, #text, p{  
    color:rgb(86, 155, 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(86, 155, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 155, 157) }
```

Border

The CSS property to change the border of an element to Yxy 27.8554, 0.2528, 0.3253 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, 155, 157) }
```

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

```
.border{ border-color:rgb(86, 155, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 155, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 155, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 155, 157);  
box-shadow:4px 4px 4px 4px rgb(86, 155,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8554, 0.2528, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 155, 157) }
```

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

```
.background{ background-color: rgb(86, 155,  
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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