

Converting Colors

$Y_{xy}(28.5895, 0.2657, 0.3649)$

Have a look what the booklet for
Yxy(28.5895, 0.2657, 0.3649)
contains.

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Color

$Y_{xy}(28.5916, 0.2659, 0.3654)$

Conversions

Conversions Part 1

Format	Color
Hex	559F8B
RGB	85, 159, 139
RGB Percent	33%, 62%, 55%
CMY	0.6666, 0.3765, 0.4549
CMYK	0.47, 0.00, 0.13, 0.38
HSL	164°, 30%, 48%
HSV	164°, 47%, 62%
XYZ	20.8060, 28.5916, 28.8498
YIQ	134.5940, -37.6840, -21.9080

Conversions

Conversions Part 2

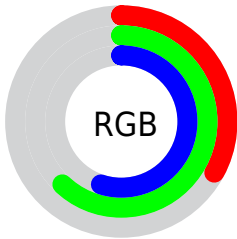
Format	Color
R_{YB}	85, 128, 159
Decimal	5611403
CIE _{Lab}	60.42, -28.06, 3.30
CIE _{LCh}	60, 28.250, 173.290
Yxy	28.5916, 0.2659, 0.3654
Android (android.graphics.Color)	4283801483 (0xFF559F8B)
YUV	134.5940, 2.1722, -43.4939
Hunter-Lab	53.4711, -24.1189, 5.4404

Details

The Yxy color $28.5916, 0.2659, 0.3654$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $14.8911, 0.4006, 0.2968$, and the grayscale version is $24.0748, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.3879, 0.2759, 0.3582$, and $11.4979, 0.2494, 0.3790$ is the 20% darker color. If you saturate the color by 10%, you get $27.8069, 0.2590, 0.3748$, and if you desaturate by 10%, it is $29.5507, 0.2743, 0.3565$.

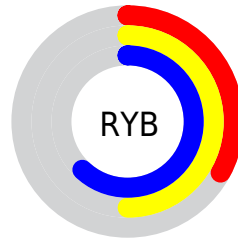
Distribution



Red (33%)

Green (62%)

Blue (55%)



Red (33%)

Yellow (50%)

Blue (62%)

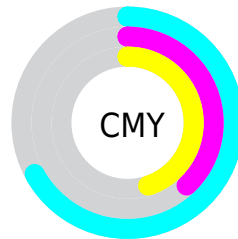


Cyan (47%)

Magenta (0%)

Yellow (13%)

Black (38%)



Cyan (67%)


Magenta (38%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5916, 0.2659, 0.3654 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 28.5916, 0.2659, 0.3654 by changing the saturation by 10% instead.


 28.5916, 0.2659,
0.3654


 28.5916, 0.2659,
0.3654


295.2831, 0.2913,
0.3454


 18.7721, 0.2588,
0.3711


 57.4276, 0.2756,
0.3577


 11.5057, 0.2493,
0.3788


 77.2128, 0.2791,
0.3549

 6.4081, 0.2356,
0.3901


 101.0888, 0.2820,
0.3526

 3.0948, 0.2147,
0.4077

 129.4399, 0.2845,
0.3507

 1.1814, 0.1571,
0.4510

162.6505, 0.2866,
0.3491

 0.0464, 0.0000,
1.0000

201.1049, 0.2883,

 0.0000, 0.0000,

0.3477

0.0000

245.1877, 0.2899,
0.3465

■ 28.5916, 0.2659,
0.3654

■ 28.5916, 0.2659,
0.3654

■ 27.8069, 0.2590,
0.3748

■ 29.5507, 0.2743,
0.3565

■ 27.1819, 0.2537,
0.3846

■ 30.6912, 0.2838,
0.3481

■ 26.7049, 0.2503,
0.3945


■ 32.0237, 0.2942,
0.3403


■ 26.3610, 0.2489,
0.4045

■ 33.5570, 0.3053,
0.3333

■ 26.1285, 0.2492,
0.4145


■ 35.2995, 0.3167,
0.3269

 26.0579, 0.2494,
0.4179

 37.2589, 0.3283,
0.3211

 39.4427, 0.3398,
0.3160

 41.8580, 0.3512,
0.3115

 44.5113, 0.3623,
0.3076

Harmonies

Analogous

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



28.5916, 0.3084, 0.4017



28.5916, 0.2659, 0.3654



28.5916, 0.2372, 0.3192

Triad

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



28.5916, 0.2659, 0.3654



28.5916, 0.2681, 0.2553



28.5916, 0.4056, 0.3673

Complementary

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



28.5916, 0.2659, 0.3654



14.8911, 0.4006, 0.2968

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.



28.5916, 0.3941, 0.3303



28.5916, 0.2659, 0.3654



28.5916, 0.3116, 0.2685

Square

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



28.5916, 0.2659, 0.3654



28.5916, 0.2386, 0.2587



28.5916, 0.3586, 0.2952



28.5916, 0.3901, 0.3984

Rectangle

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



28.5916, 0.2659, 0.3654



28.5916, 0.2286, 0.2918



28.5916, 0.3586, 0.2952



28.5916, 0.4048, 0.3552

Sweetspot

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



28.5927, 0.2659, 0.3654



57.9407, 0.2967, 0.3387



28.5155, 0.3246, 0.4633



12.9424, 0.2945, 0.3402



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.5927, 0.2659, 0.3654



49.7326, 0.2587, 0.3753



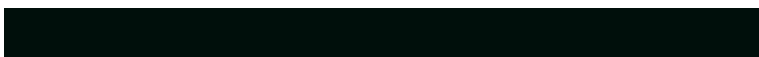
24.0716, 0.2469, 0.2998



7.4789, 0.3022, 0.3351



20.5886, 0.2492, 0.4170



0.3747, 0.2382, 0.3775

Inverse Universe

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



14.8911, 0.4006, 0.2968



22.0714, 0.4328, 0.2907



17.3438, 0.4221, 0.3554



6.6741, 0.3244, 0.3230



5.9656, 0.5815, 0.2977



0.1132, 0.4814, 0.2426

Previews

White Background



This preview shows how the Yxy color 28.5916, 0.2659, 0.3654 looks on a white background.

Color Contrast Check

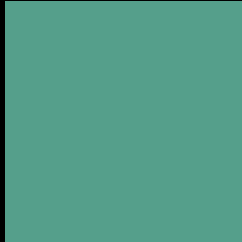
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5916, 0.2659, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

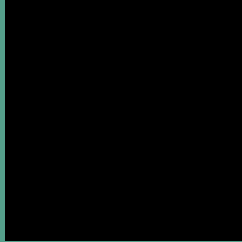
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5916, 0.2659, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 28.5916, 0.2659, 0.3654.



This preview shows how white text looks on a background with the Yxy color 28.5916, 0.2659, 0.3654.

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

28.5916, 0.2659, 0.3654

Protanopia

28.1645, 0.3334, 0.3499

Deuteranopia

28.1103, 0.3305, 0.3244



Tritanopia

28.5599, 0.2506, 0.3084

Trichromacy



Original Color

28.5916, 0.2659, 0.3654

Protanomaly

27.7281, 0.3045, 0.3547

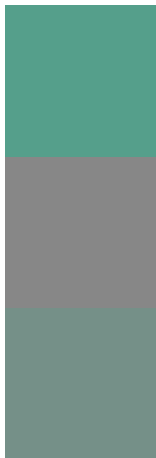
Deuteranomaly

27.7260, 0.3021, 0.3373

Tritanomaly

28.3849, 0.2557, 0.3271

Monochromacy



Original Color

28.5916, 0.2659, 0.3654

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.5060, 0.2927, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5916, 0.2659, 0.3654 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(85, 159, 139)` looks like.

```
.text, #text, p{  
  color:rgb(85, 159, 139)  
}
```

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(85, 159, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 159, 139) }
```

Border

The CSS property to change the border of an element to Yxy 28.5916, 0.2659, 0.3654 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(85, 159, 139) }
```

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

```
.border{ border-color:rgb(85, 159, 139) }
```

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

Here you see how a box with a 4 pixel rgb(85, 159, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 159, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 159, 139);  
box-shadow:4px 4px 4px 4px rgb(85, 159,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5916, 0.2659, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 159, 139) }
```

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

```
.background{ background-color: rgb(85, 159,  
139) }
```

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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