

Converting Colors

$Y_{xy}(28.5390, 0.2760, 0.3874)$

Have a look what the booklet for
Yxy(28.5390, 0.2760, 0.3874)
contains.

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Color

$Y_{xy}(28.4295, 0.2761, 0.3863)$

Conversions

Conversions Part 1

Format	Color
Hex	589F80
RGB	88, 159, 128
RGB Percent	35%, 62%, 50%
CMY	0.6549, 0.3765, 0.4980
CMYK	0.45, 0.00, 0.19, 0.38
HSL	154°, 29%, 48%
HSV	154°, 45%, 62%
XYZ	20.3194, 28.4295, 24.8455
YIQ	134.2370, -32.3650, -24.6930

Conversions

Conversions Part 2

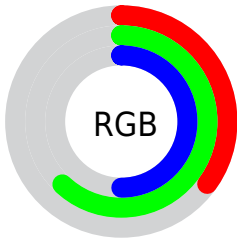
Format	Color
R_{YB}	88, 133, 159
Decimal	5808000
CIE _{Lab}	60.27, -29.80, 9.29
CIE _{LCh}	60, 31.216, 162.681
Yxy	28.4295, 0.2761, 0.3863
Android (android.graphics.Color)	4283998080 (0xFF589F80)
YUV	134.2370, -3.0748, -40.5498
Hunter-Lab	53.3193, -25.2844, 9.6959

Details

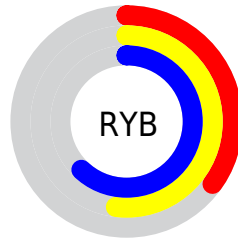
The Yxy color $28.4295, 0.2761, 0.3863$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.6809, 0.3760, 0.2792$, and the grayscale version is $23.9528, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.0921, 0.2836, 0.3734$, and $11.4200, 0.2621, 0.4084$ is the 20% darker color. If you saturate the color by 10%, you get $27.5610, 0.2704, 0.4020$, and if you desaturate by 10%, it is $29.4820, 0.2831, 0.3715$.

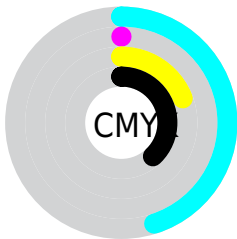
Distribution



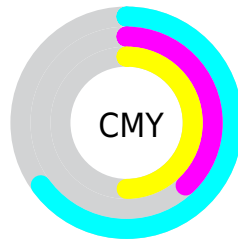
- Red (35%)
- Green (62%)
- Blue (50%)



- Red (35%)
- Yellow (52%)
- Blue (62%)



- Cyan (45%)
- Magenta (0%)
- Yellow (19%)
- Black (38%)





- Cyan (65%)
- Magenta (38%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4295, 0.2761, 0.3863 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 28.4295, 0.2761, 0.3863 by changing the saturation by 10% instead.


 28.4295, 0.2761,
0.3863


 28.4295, 0.2761,
0.3863


294.5136, 0.2964,
0.3542

 18.6497, 0.2702,
0.3957


 57.1694, 0.2840,
0.3737


 11.4174, 0.2622,
0.4088


 76.8983, 0.2868,
0.3692

 6.3483, 0.2504,
0.4281


 100.7124, 0.2891,
0.3656

 3.0580, 0.2316,
0.4596

 128.9959, 0.2911,
0.3626

 1.1621, 0.1680,
0.5522

162.1335, 0.2927,
0.3600

 0.0304, 0.0000,
1.0000

200.5093, 0.2941,

 0.0000, 0.0000,

0.3578

0.0000

244.5079, 0.2953,
0.3559

■ 28.4295, 0.2761,
0.3863

■ 28.4295, 0.2761,
0.3863

■ 27.5610, 0.2704,
0.4020

■ 29.4820, 0.2831,
0.3715

■ 26.8618, 0.2662,
0.4184

■ 30.7254, 0.2910,
0.3578

■ 26.3201, 0.2637,
0.4352


■ 32.1705, 0.2995,
0.3452


■ 25.9216, 0.2632,
0.4520


■ 33.8261, 0.3085,
0.3339


■ 25.6482, 0.2647,
0.4683

■ 35.7006, 0.3176,
0.3237

 25.5291, 0.2658,
0.4770

 37.8019, 0.3267,
0.3147

 40.1375, 0.3356,
0.3067

 42.7145, 0.3443,
0.2997

 45.5398, 0.3527,
0.2935

Harmonies

Analogous

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



28.4295, 0.3256, 0.4182



28.4295, 0.2761, 0.3863



28.4295, 0.2384, 0.3358

Triad

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



28.4295, 0.2761, 0.3863



28.4295, 0.2500, 0.2472



28.4295, 0.4146, 0.3563

Complementary

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



28.4295, 0.2761, 0.3863



15.6809, 0.3760, 0.2792

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.



28.4295, 0.3915, 0.3157



28.4295, 0.2761, 0.3863



28.4295, 0.2931, 0.2557

Square

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



28.4295, 0.2761, 0.3863



28.4295, 0.2247, 0.2576



28.4295, 0.3455, 0.2802



28.4295, 0.4073, 0.3942

Rectangle

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



28.4295, 0.2761, 0.3863



28.4295, 0.2241, 0.3027



28.4295, 0.3455, 0.2802



28.4295, 0.4101, 0.3426

Sweetspot

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



28.4307, 0.2761, 0.3863



58.0077, 0.3008, 0.3436



29.4910, 0.3361, 0.4526



12.9455, 0.2989, 0.3461



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.



28.4307, 0.2761, 0.3863



49.3062, 0.2702, 0.4026



28.1712, 0.2528, 0.3226



7.4605, 0.3044, 0.3389



20.1715, 0.2654, 0.4756



0.3691, 0.2474, 0.4107

Inverse Universe

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



15.6809, 0.3760, 0.2792



23.3912, 0.3988, 0.2687



15.6512, 0.4250, 0.3351



6.6918, 0.3219, 0.3193



6.1730, 0.5180, 0.2627



0.1187, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 28.4295, 0.2761, 0.3863 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 28.4295, 0.2761, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

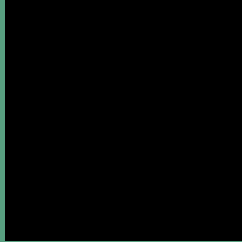
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4295, 0.2761, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 28.4295, 0.2761, 0.3863.



This preview shows how white text looks on a background with the Yxy color 28.4295, 0.2761, 0.3863.

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

28.4295, 0.2761, 0.3863

Protanopia

28.0993, 0.3460, 0.3660

Deuteranopia

27.9177, 0.3470, 0.3399



Tritanopia

28.4610, 0.2544, 0.3085

Trichromacy



Original Color

28.4295, 0.2761, 0.3863

Protanomaly

27.6173, 0.3158, 0.3721

Deuteranomaly

27.4307, 0.3168, 0.3542

Tritanomaly

28.4236, 0.2620, 0.3359

Monochromacy



Original Color

28.4295, 0.2761, 0.3863

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0928, 0.2963, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4295, 0.2761, 0.3863 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, 159, 128)` looks like.

```
.text, #text, p{  
    color:rgb(88, 159, 128)  
}
```

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, 159, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 159, 128) }
```

Border

The CSS property to change the border of an element to Yxy 28.4295, 0.2761, 0.3863 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, 159, 128) }
```

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

```
.border{ border-color:rgb(88, 159, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 159, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 159, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 159, 128);  
box-shadow:4px 4px 4px 4px rgb(88, 159,  
128) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 28.4295, 0.2761, 0.3863$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 159, 128) }
```

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

```
.background{ background-color: rgb(88, 159,  
128) }
```

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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