

Converting Colors

$Yxy(28.5241, 0.2487, 0.3108)$

Have a look what the booklet for
Yxy(28.5241, 0.2487, 0.3108)
contains.

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Color

$Y_{xy}(28.6540, 0.2490, 0.3116)$

Conversions

Conversions Part 1

Format	Color
Hex	599CA6
RGB	89, 156, 166
RGB Percent	35%, 61%, 65%
CMY	0.6507, 0.3883, 0.3490
CMYK	0.46, 0.06, 0.00, 0.35
HSL	188°, 30%, 50%
HSV	188°, 46%, 65%
XYZ	22.8975, 28.6540, 40.4062
YIQ	137.1070, -43.1420, -11.0940

Conversions

Conversions Part 2

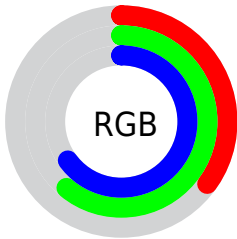
Format	Color
R_{YB}	89, 125, 166
Decimal	5872806
CIE _{Lab}	60.48, -18.52, -11.87
CIE _{LCh}	60, 21.997, 212.656
Yxy	28.6540, 0.2490, 0.3116
Android (android.graphics.Color)	4284062886 (0xFF599CA6)
YUV	137.1070, 14.2442, -42.1898
Hunter-Lab	53.5294, -17.3223, -7.2839

Details

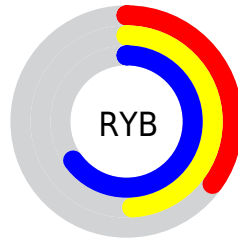
The Yxy color **28.6540, 0.2490, 0.3116** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7738, 0.4271, 0.3450**, and the grayscale version is **25.0235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7383, 0.2620, 0.3162**, and **11.6251, 0.2284, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **27.2042, 0.2385, 0.3072**, and if you desaturate by 10%, it is **30.3042, 0.2610, 0.3158**.

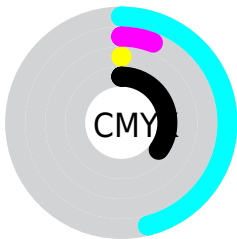
Distribution



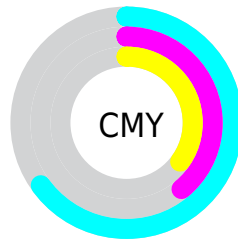
- Red (35%)
- Green (61%)
- Blue (65%)



- Red (35%)
- Yellow (49%)
- Blue (65%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6540, 0.2490, 0.3116 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 28.6540, 0.2490, 0.3116 by changing the saturation by 10% instead.


 28.6540, 0.2490,
0.3116


 28.6540, 0.2490,
0.3116


295.5789, 0.2827,
0.3217

 18.8192, 0.2400,
0.3085


 57.5269, 0.2617,
0.3157


 11.5397, 0.2280,
0.3042


 77.3338, 0.2663,
0.3171

 6.4311, 0.2116,
0.2978


 101.2336, 0.2702,
0.3182

 3.1089, 0.1874,
0.2872

 129.6106, 0.2735,
0.3191

 1.1889, 0.1468,
0.2685

162.8493, 0.2763,
0.3199

 0.0526, 0.0000,
0.0560

201.3339, 0.2787,

 0.0000, 0.0000,

0.3206

0.0000

245.4490, 0.2808,
0.3212

■ 28.6540, 0.2490,
0.3116

■ 28.6540, 0.2490,
0.3116

■ 27.2042, 0.2385,
0.3072

■ 30.3042, 0.2610,
0.3158

■ 25.9387, 0.2297,
0.3028

■ 32.1630, 0.2742,
0.3198

■ 24.8445, 0.2228,
0.2982

■ 34.2421, 0.2883,
0.3235

■ 23.9052, 0.2177,
0.2937

■ 36.5512, 0.3031,
0.3270

■ 23.0977, 0.2143,
0.2893

■ 39.0996, 0.3183,
0.3301

■ 22.8173, 0.2132,
0.2876

■ 41.8960, 0.3336,
0.3330

■ 44.9485, 0.3488,
0.3355

■ 48.2650, 0.3637,
0.3378

■ 51.8531, 0.3782,
0.3397

Harmonies

Analogous

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



28.6540, 0.2677, 0.3464



28.6540, 0.2490, 0.3116



28.6540, 0.2464, 0.2846

Triad

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



28.6540, 0.2490, 0.3116



28.6540, 0.3238, 0.2867



28.6540, 0.3662, 0.3888

Complementary

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



28.6540, 0.2490, 0.3116



17.7738, 0.4271, 0.3450

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.



28.6540, 0.3835, 0.3685



28.6540, 0.2490, 0.3116



28.6540, 0.3585, 0.3108

Square

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



28.6540, 0.2490, 0.3116



28.6540, 0.2878, 0.2723



28.6540, 0.3809, 0.3401



28.6540, 0.3348, 0.3933

Rectangle

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



28.6540, 0.2490, 0.3116



28.6540, 0.2538, 0.2740



28.6540, 0.3809, 0.3401



28.6540, 0.3739, 0.3835

Sweetspot

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



28.6551, 0.2490, 0.3116



62.9730, 0.2914, 0.3243



30.2878, 0.2998, 0.4546



13.9045, 0.2883, 0.3235



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.6551, 0.2490, 0.3116



49.1936, 0.2378, 0.3069



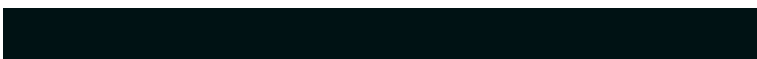
17.9728, 0.2368, 0.2424



8.3629, 0.2987, 0.3260



17.7388, 0.2134, 0.2880



0.4763, 0.2175, 0.3028

Inverse Universe

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



17.6661, 0.3308, 0.2309



27.1788, 0.3360, 0.2114



26.5865, 0.3989, 0.4016



7.6496, 0.3156, 0.3096



7.8618, 0.3561, 0.1735



0.1958, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 28.6540, 0.2490, 0.3116 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 28.6540, 0.2490, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

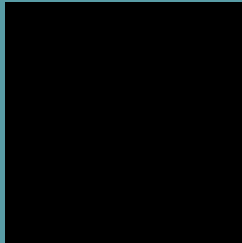
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6540, 0.2490, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 28.6540, 0.2490, 0.3116.

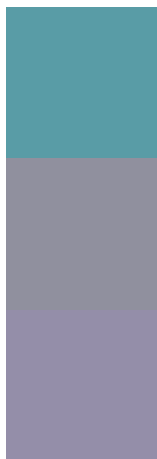


This preview shows how white text looks on a background with the Yxy color 28.6540, 0.2490, 0.3116.

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

28.6540, 0.2490, 0.3116

Protanopia

28.3444, 0.2994, 0.3069

Deuteranopia

28.5065, 0.2932, 0.2878



Tritanopia

28.7777, 0.2483, 0.3083

Trichromacy



Original Color

28.6540, 0.2490, 0.3116

Protanomaly

28.0381, 0.2779, 0.3075

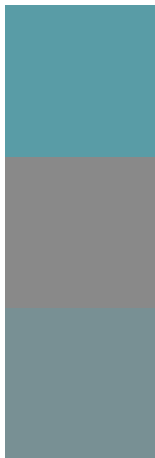
Deuteranomaly

28.2066, 0.2747, 0.2951

Tritanomaly

28.7406, 0.2489, 0.3100

Monochromacy



Original Color

28.6540, 0.2490, 0.3116

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.0777, 0.2848, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6540, 0.2490, 0.3116 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(89, 156, 166)` looks like.

```
.text, #text, p{  
    color:rgb(89, 156, 166)  
}
```

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(89, 156, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 156, 166) }
```

Border

The CSS property to change the border of an element to Yxy 28.6540, 0.2490, 0.3116 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(89, 156, 166) }
```

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

```
.border{ border-color:rgb(89, 156, 166) }
```

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

Here you see how a box with a 4 pixel rgb(89, 156, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 156, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 156, 166);  
box-shadow:4px 4px 4px 4px rgb(89, 156,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6540, 0.2490, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 156, 166) }
```

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

```
.background{ background-color: rgb(89, 156,  
166) }
```

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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