

Converting Colors

$Y_{xy}(28.2169, 0.2459, 0.3146)$

Have a look what the booklet for
Yxy(28.2169, 0.2459, 0.3146)
contains.

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Color

Yxy(28.2511, 0.2459, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	529CA4
RGB	82, 156, 164
RGB Percent	32%, 61%, 64%
CMY	0.6786, 0.3882, 0.3568
CMYK	0.50, 0.05, 0.00, 0.36
HSL	186°, 33%, 48%
HSV	186°, 50%, 64%
XYZ	22.0678, 28.2511, 39.4241
YIQ	134.7860, -46.6720, -13.2000

Conversions

Conversions Part 2

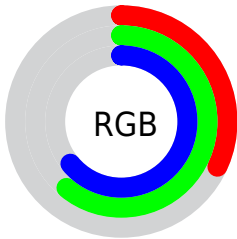
Format	Color
R_{YB}	82, 121, 164
Decimal	5414052
CIE _{Lab}	60.11, -20.77, -11.32
CIE _{LCh}	60, 23.654, 208.582
Y _{xy}	28.2511, 0.2459, 0.3148
Android (android.graphics.Color)	4283604132 (0xFF529CA4)
YUV	134.7860, 14.4025, -46.2933
Hunter-Lab	53.1518, -18.9051, -6.7708

Details

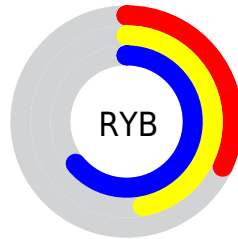
The Yxy color **28.2511, 0.2459, 0.3148** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.8124, 0.4431, 0.3419**, and the grayscale version is **24.1009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0214, 0.2592, 0.3186**, and **11.2089, 0.2236, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **27.0686, 0.2364, 0.3115**, and if you desaturate by 10%, it is **29.6186, 0.2570, 0.3180**.

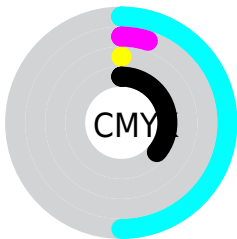
Distribution



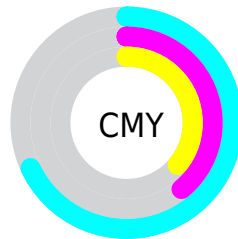
- Red (32%)
- Green (61%)
- Blue (64%)



- Red (32%)
- Yellow (47%)
- Blue (64%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (36%)





- Cyan (68%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2511, 0.2459, 0.3148 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 28.2511, 0.2459, 0.3148 by changing the saturation by 10% instead.


 28.2511, 0.2459,
0.3148


 28.2511, 0.2459,
0.3148


293.6648, 0.2813,
0.3233

 18.5150, 0.2364,
0.3121


 56.8851, 0.2592,
0.3183

 11.3204, 0.2239,
0.3083


 76.5518, 0.2641,
0.3194

 6.2828, 0.2065,
0.3025


 100.2975, 0.2682,
0.3204

 3.0178, 0.1811,
0.2928

 128.5066, 0.2716,
0.3212

 1.1410, 0.1348,
0.2761

161.5635, 0.2745,
0.3218

 0.0127, 0.0000,
0.0156

199.8526, 0.2771,

 0.0000, 0.0000,

0.3224

0.0000

243.7582, 0.2793,
0.3229

■ 28.2511, 0.2459,
0.3148

■ 28.2511, 0.2459,
0.3148

■ 27.0686, 0.2364,
0.3115

■ 29.6186, 0.2570,
0.3180

■ 26.0551, 0.2287,
0.3082

■ 31.1794, 0.2695,
0.3210

■ 25.1972, 0.2229,
0.3049

■ 32.9450, 0.2831,
0.3239

■ 24.4778, 0.2189,
0.3016

■ 34.9252, 0.2976,
0.3265

■ 23.8600, 0.2162,
0.2983

■ 37.1292, 0.3127,
0.3290

■ 39.5655, 0.3280,
0.3312

■ 42.2422, 0.3434,
0.3332

■ 45.1670, 0.3586,
0.3350

■ 48.3473, 0.3735,
0.3366

Harmonies

Analogous

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



28.2511, 0.2680, 0.3529



28.2511, 0.2459, 0.3148



28.2511, 0.2407, 0.2841

Triad

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



28.2511, 0.2459, 0.3148



28.2511, 0.3191, 0.2807



28.2511, 0.3739, 0.3913

Complementary

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



28.2511, 0.2459, 0.3148



15.8124, 0.4431, 0.3419

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.



28.2511, 0.3901, 0.3675



28.2511, 0.2459, 0.3148



28.2511, 0.3576, 0.3054

Square

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



28.2511, 0.2459, 0.3148



28.2511, 0.2810, 0.2671



28.2511, 0.3843, 0.3363



28.2511, 0.3415, 0.3992

Rectangle

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



28.2511, 0.2459, 0.3148



28.2511, 0.2471, 0.2714



28.2511, 0.3843, 0.3363



28.2511, 0.3815, 0.3847

Sweetspot

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



28.2522, 0.2459, 0.3148



61.4372, 0.2899, 0.3252



29.0703, 0.3009, 0.4715



13.2769, 0.2871, 0.3246



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.2522, 0.2459, 0.3148



48.9007, 0.2355, 0.3112



16.9992, 0.2316, 0.2395



7.8924, 0.2988, 0.3267



18.3267, 0.2163, 0.2986



0.4169, 0.2196, 0.3105

Inverse Universe

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



16.3239, 0.3289, 0.2207



25.1781, 0.3331, 0.2011



24.4242, 0.4092, 0.4030



7.1902, 0.3152, 0.3090



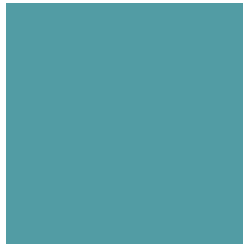
7.6942, 0.3466, 0.1683



0.1649, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 28.2511, 0.2459, 0.3148 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 28.2511, 0.2459, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

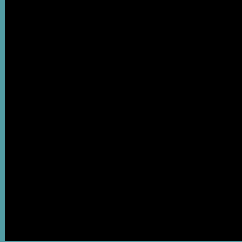
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2511, 0.2459, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 28.2511, 0.2459, 0.3148.



This preview shows how white text looks on a background with the Yxy color 28.2511, 0.2459, 0.3148.

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

28.2511, 0.2459, 0.3148

Protanopia

27.8849, 0.3002, 0.3083

Deuteranopia

28.0428, 0.2940, 0.2890



Tritanopia

28.1088, 0.2436, 0.3063

Trichromacy



Original Color

28.2511, 0.2459, 0.3148

Protanomaly

27.7480, 0.2769, 0.3106

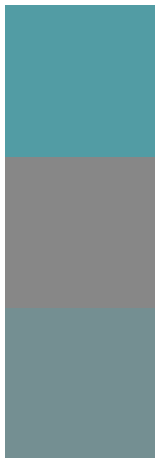
Deuteranomaly

27.5219, 0.2726, 0.2962

Tritanomaly

28.0717, 0.2443, 0.3080

Monochromacy



Original Color

28.2511, 0.2459, 0.3148

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4332, 0.2827, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2511, 0.2459, 0.3148 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(82, 156, 164)` looks like.

```
.text, #text, p{  
    color:rgb(82, 156, 164)  
}
```

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(82, 156, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 156, 164) }
```

Border

The CSS property to change the border of an element to Yxy 28.2511, 0.2459, 0.3148 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(82, 156, 164) }
```

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

```
.border{ border-color:rgb(82, 156, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 156, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 156, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 156, 164);  
box-shadow:4px 4px 4px 4px rgb(82, 156,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2511, 0.2459, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 156, 164) }
```

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

```
.background{ background-color: rgb(82, 156,  
164) }
```

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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