

Converting Colors

$Yxy(28.4014, 0.2251, 0.2963)$

Have a look what the booklet for
Yxy(28.4014, 0.2251, 0.2963)
contains.

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Color

$\text{Yxy}(28.3581, 0.2251, 0.2958)$

Conversions

Conversions Part 1

Format	Color
Hex	349EB1
RGB	52, 158, 177
RGB Percent	20%, 62%, 69%
CMY	0.7959, 0.3804, 0.3059
CMYK	0.71, 0.11, 0.00, 0.31
HSL	189°, 55%, 45%
HSV	189°, 71%, 69%
XYZ	21.5801, 28.3581, 45.9309
YIQ	128.4720, -69.2750, -16.5630

Conversions

Conversions Part 2

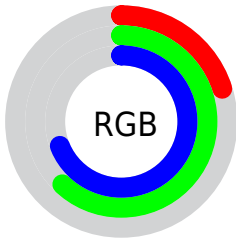
Format	Color
RYB	52, 109, 177
Decimal	3448497
CIELab	60.21, -23.47, -18.60
CIElCh	60, 29.942, 218.398
Yxy	28.3581, 0.2251, 0.2958
Android (android.graphics.Color)	4281638577 (0xFF349EB1)
YUV	128.4720, 23.9243, -67.0659
Hunter-Lab	53.2523, -20.8556, -13.8619

Details

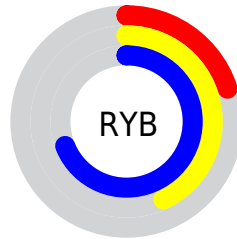
The Yxy color **28.3581, 0.2251, 0.2958** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1076, 0.5254, 0.3528**, and the grayscale version is **21.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1165, 0.2419, 0.3032**, and **11.7633, 0.2122, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **27.0657, 0.2187, 0.2904**, and if you desaturate by 10%, it is **29.8488, 0.2334, 0.3011**.

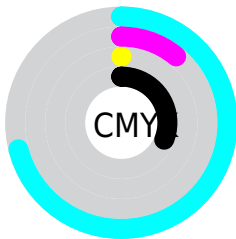
Distribution



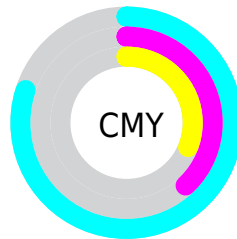
- Red (20%)
- Green (62%)
- Blue (69%)



- Red (20%)
- Yellow (43%)
- Blue (69%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)





- Cyan (80%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3581, 0.2251, 0.2958 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 28.3581, 0.2251, 0.2958 by changing the saturation by 10% instead.


 28.3581, 0.2251,
0.2958


 28.3581, 0.2251,
0.2958


294.1741, 0.2709,
0.3150

 18.5958, 0.2132,
0.2901


 57.0557, 0.2422,
0.3034


 11.3786, 0.1976,
0.2822


 76.7597, 0.2484,
0.3061

 6.3221, 0.1766,
0.2706


 100.5464, 0.2537,
0.3083

 3.0419, 0.1471,
0.2523

 128.8002, 0.2582,
0.3101

 1.1536, 0.0967,
0.2224

 161.9055, 0.2620,
0.3116

 0.0233, 0.0000,
0.0167

200.2466, 0.2654,

 0.0000, 0.0000,

0.3129

0.0000

244.2080, 0.2683,
0.3140

■ 28.3581, 0.2251,
0.2958

■ 28.3581, 0.2251,
0.2958

■ 27.0657, 0.2187,
0.2904

■ 29.8488, 0.2334,
0.3011

■ 25.9474, 0.2141,
0.2851

■ 31.5524, 0.2435,
0.3064

■ 25.0145, 0.2112,
0.2801

■ 33.4856, 0.2551,
0.3114

■ 35.6625, 0.2680,
0.3162

■ 38.0958, 0.2820,
0.3207

■ 40.7976, 0.2967,
0.3249

■ 43.7789, 0.3118,
0.3288

■ 47.0501, 0.3271,
0.3323

■ 50.6212, 0.3423,
0.3354

Harmonies

Analogous

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



28.3581, 0.2454, 0.3428



28.3581, 0.2251, 0.2958



28.3581, 0.2260, 0.2634

Triad

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



28.3581, 0.2251, 0.2958



28.3581, 0.3370, 0.2778



28.3581, 0.3774, 0.4134

Complementary

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



28.3581, 0.2251, 0.2958



14.1076, 0.5254, 0.3528

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.



28.3581, 0.4064, 0.3872



28.3581, 0.2251, 0.2958



28.3581, 0.3830, 0.3110

Square

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



28.3581, 0.2251, 0.2958



28.3581, 0.2872, 0.2562



28.3581, 0.4091, 0.3499



28.3581, 0.3323, 0.4164

Rectangle

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



28.3581, 0.2251, 0.2958



28.3581, 0.2383, 0.2526



28.3581, 0.4091, 0.3499



28.3581, 0.3895, 0.4066

Sweetspot

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



28.3591, 0.2251, 0.2958



67.8795, 0.2809, 0.3204



32.6279, 0.2939, 0.5249



14.4492, 0.2771, 0.3192



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.3591, 0.2251, 0.2958



47.2656, 0.2158, 0.2873



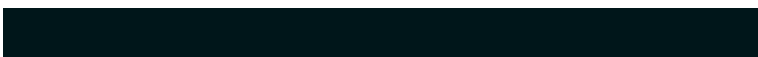
12.2309, 0.1959, 0.1773



9.4070, 0.2986, 0.3255



18.1948, 0.2113, 0.2807



0.6319, 0.2154, 0.2955

Inverse Universe

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



14.2756, 0.3471, 0.1941



22.0714, 0.3561, 0.1808



26.4433, 0.4489, 0.4368



8.6241, 0.3160, 0.3099



8.3769, 0.3628, 0.1772



0.2696, 0.3494, 0.1699

Previews

White Background



This preview shows how the Yxy color 28.3581, 0.2251, 0.2958 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 28.3581, 0.2251, 0.2958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

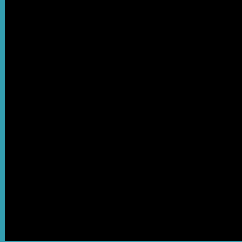
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3581, 0.2251, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 28.3581, 0.2251, 0.2958.



This preview shows how white text looks on a background with the Yxy color 28.3581, 0.2251, 0.2958.

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

28.3581, 0.2251, 0.2958

Protanopia

28.0104, 0.2872, 0.2914

Deuteranopia

27.8749, 0.2742, 0.2681



Tritanopia

28.4278, 0.2271, 0.3059

Trichromacy



Original Color

28.3581, 0.2251, 0.2958

Protanomaly

27.3082, 0.2568, 0.2906

Deuteranomaly

27.2885, 0.2494, 0.2752

Tritanomaly

28.5304, 0.2264, 0.3025

Monochromacy



Original Color

28.3581, 0.2251, 0.2958

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.2499, 0.2674, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3581, 0.2251, 0.2958 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(52, 158, 177)` looks like.

```
.text, #text, p{  
  color:rgb(52, 158, 177)  
}
```

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(52, 158, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 158, 177) }
```

Border

The CSS property to change the border of an element to Yxy 28.3581, 0.2251, 0.2958 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(52, 158, 177) }
```

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

```
.border{ border-color:rgb(52, 158, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 158, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 158, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 158, 177);  
box-shadow:4px 4px 4px 4px rgb(52, 158,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3581, 0.2251, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 158, 177) }
```

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

```
.background{ background-color: rgb(52, 158,  
177) }
```

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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