

Converting Colors

$Yxy(28.8212, 0.2292, 0.3011)$

Have a look what the booklet for
Yxy(28.8212, 0.2292, 0.3011)
contains.

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Color

$Y_{xy}(28.8212, 0.2292, 0.3011)$

Conversions

Conversions Part 1

Format	Color
Hex	3B9FAF
RGB	59, 159, 175
RGB Percent	23%, 62%, 69%
CMY	0.7686, 0.3765, 0.3138
CMYK	0.66, 0.09, 0.00, 0.31
HSL	188°, 50%, 46%
HSV	188°, 66%, 69%
XYZ	21.9390, 28.8212, 44.9595
YIQ	130.9240, -64.7360, -16.2240

Conversions

Conversions Part 2

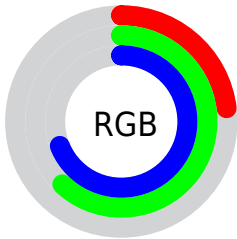
Format	Color
R_{YB}	59, 113, 175
Decimal	3907503
CIE _{Lab}	60.62, -23.56, -16.82
CIE _{LCh}	61, 28.951, 215.522
Yxy	28.8212, 0.2292, 0.3011
Android (android.graphics.Color)	4282097583 (0xFF3B9FAF)
YUV	130.9240, 21.7295, -63.0773
Hunter-Lab	53.6854, -21.0040, -12.0734

Details

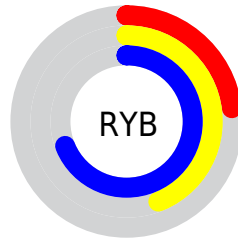
The Yxy color **28.8212, 0.2292, 0.3011** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.4605, 0.5085, 0.3504**, and the grayscale version is **22.6078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8557, 0.2453, 0.3071**, and **11.9455, 0.2136, 0.2888** is the 20% darker color. If you saturate the color by 10%, you get **27.5525, 0.2222, 0.2963**, and if you desaturate by 10%, it is **30.2874, 0.2381, 0.3059**.

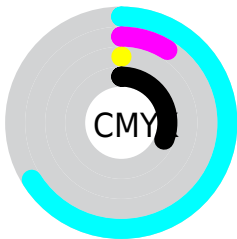
Distribution



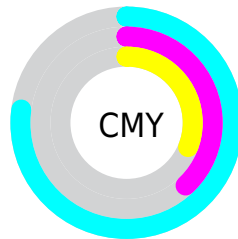
- Red (23%)
- Green (62%)
- Blue (69%)



- Red (23%)
- Yellow (44%)
- Blue (69%)



- Cyan (66%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)




- Cyan (77%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8212, 0.2292, 0.3011 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 28.8212, 0.2292, 0.3011 by changing the saturation by 10% instead.


 28.8212, 0.2292,
0.3011


 28.8212, 0.2292,
0.3011


296.3704, 0.2729,
0.3173

 18.9456, 0.2178,
0.2962


 57.7929, 0.2455,
0.3076


 11.6310, 0.2029,
0.2894


 77.6578, 0.2515,
0.3098


 6.4929, 0.1827,
0.2794


 101.6212, 0.2565,
0.3117

 3.1471, 0.1541,
0.2634

 130.0676, 0.2608,
0.3132

 1.2090, 0.1062,
0.2366

 163.3813, 0.2644,
0.3145

 0.0690, 0.0000,
0.0511

201.9467, 0.2676,

 0.0000, 0.0000,

0.3156

0.0000

246.1483, 0.2704,
0.3165

■ 28.8212, 0.2292,
0.3011

■ 28.8212, 0.2292,
0.3011

■ 27.5525, 0.2222,
0.2963

■ 30.2874, 0.2381,
0.3059

■ 26.4594, 0.2170,
0.2915

■ 31.9642, 0.2487,
0.3105

■ 25.5175, 0.2136,
0.2867

■ 33.8671, 0.2608,
0.3150

■ 25.1859, 0.2125,
0.2849

■ 36.0091, 0.2741,
0.3192

■ 38.4024, 0.2883,
0.3232

■ 41.0581, 0.3032,
0.3269

■ 43.9867, 0.3184,
0.3302

■ 47.1981, 0.3337,
0.3332

■ 50.7017, 0.3490,
0.3359

Harmonies

Analogous

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



28.8212, 0.2508, 0.3470



28.8212, 0.2292, 0.3011



28.8212, 0.2281, 0.2681

Triad

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



28.8212, 0.2292, 0.3011



28.8212, 0.3315, 0.2770



28.8212, 0.3787, 0.4087

Complementary

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



28.8212, 0.2292, 0.3011



14.4605, 0.5085, 0.3504

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.



28.8212, 0.4043, 0.3822



28.8212, 0.2292, 0.3011



28.8212, 0.3767, 0.3084

Square

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



28.8212, 0.2292, 0.3011



28.8212, 0.2840, 0.2574



28.8212, 0.4041, 0.3457



28.8212, 0.3362, 0.4138

Rectangle

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



28.8212, 0.2292, 0.3011



28.8212, 0.2387, 0.2564



28.8212, 0.4041, 0.3457



28.8212, 0.3896, 0.4016

Sweetspot

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



28.8223, 0.2292, 0.3011



66.9857, 0.2824, 0.3216



32.0877, 0.2953, 0.5154



14.6272, 0.2785, 0.3205



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.



28.8223, 0.2292, 0.3011



48.3143, 0.2193, 0.2938



13.4365, 0.2033, 0.1917



8.8810, 0.2986, 0.3258



18.1048, 0.2126, 0.2855



0.5545, 0.2166, 0.2999

Inverse Universe

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



14.7451, 0.3421, 0.1978



22.4900, 0.3499, 0.1819



26.0577, 0.4420, 0.4300



8.1288, 0.3158, 0.3097



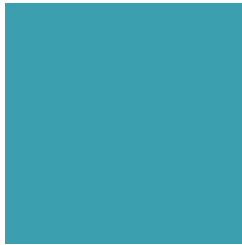
8.1307, 0.3584, 0.1748



0.2313, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 28.8212, 0.2292, 0.3011 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 28.8212, 0.2292, 0.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

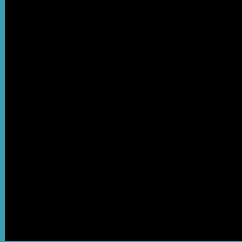
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8212, 0.2292, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 28.8212, 0.2292, 0.3011.

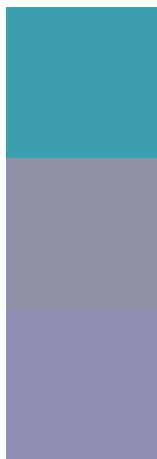


This preview shows how white text looks on a background with the Yxy color 28.8212, 0.2292, 0.3011.

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

28.8212, 0.2292, 0.3011

Protanopia

28.4139, 0.2910, 0.2962

Deuteranopia

28.4403, 0.2797, 0.2730



Tritanopia

28.6744, 0.2304, 0.3061

Trichromacy



Original Color

28.8212, 0.2292, 0.3011

Protanomaly

27.8042, 0.2616, 0.2958

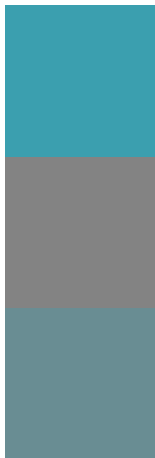
Deuteranomaly

27.8389, 0.2548, 0.2803

Tritanomaly

28.7129, 0.2299, 0.3044

Monochromacy



Original Color

28.8212, 0.2292, 0.3011

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.1596, 0.2714, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8212, 0.2292, 0.3011 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(59, 159, 175)` looks like.

```
.text, #text, p{  
    color:rgb(59, 159, 175)  
}
```

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(59, 159, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 159, 175) }
```

Border

The CSS property to change the border of an element to Yxy 28.8212, 0.2292, 0.3011 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(59, 159, 175) }
```

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

```
.border{ border-color:rgb(59, 159, 175) }
```

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

Here you see how a box with a 4 pixel rgb(59, 159, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 159, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 159, 175);  
box-shadow:4px 4px 4px 4px rgb(59, 159,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8212, 0.2292, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 159, 175) }
```

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

```
.background{ background-color: rgb(59, 159,  
175) }
```

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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