

Converting Colors

$Y_{xy}(29.2338, 0.2286, 0.3036)$

Have a look what the booklet for
Yxy(29.2338, 0.2286, 0.3036)
contains.

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Color

$Y_{xy}(29.0775, 0.2285, 0.3028)$

Conversions

Conversions Part 1

Format	Color
Hex	38A0AF
RGB	56, 160, 175
RGB Percent	22%, 63%, 69%
CMY	0.7800, 0.3726, 0.3138
CMYK	0.68, 0.09, 0.00, 0.31
HSL	188°, 51%, 45%
HSV	188°, 68%, 69%
XYZ	21.9426, 29.0775, 45.0087
YIQ	130.6140, -66.7990, -17.3830

Conversions

Conversions Part 2

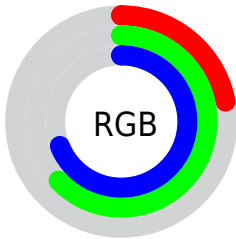
Format	Color
RYB	56, 111, 175
Decimal	3711151
CIELab	60.85, -24.52, -16.48
CIElCh	61, 29.548, 213.911
Yxy	29.0775, 0.2285, 0.3028
Android (android.graphics.Color)	4281901231 (0xFF38A0AF)
YUV	130.6140, 21.8823, -65.4365
Hunter-Lab	53.9236, -21.7310, -11.7414




Details

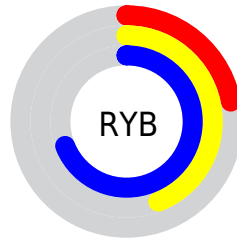
The Yxy color **29.0775, 0.2285, 0.3028** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9178, 0.5173, 0.3486**, and the grayscale version is **22.5002, 0.3127, 0.3290**.




A 20% lighter version of the original color is **58.2220, 0.2447, 0.3083**, and **12.1552, 0.2143, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **27.9001, 0.2219, 0.2984**, and if you desaturate by 10%, it is **30.4470, 0.2369, 0.3072**.

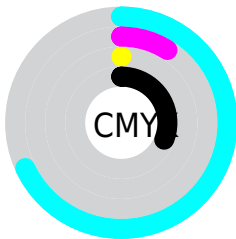
Distribution







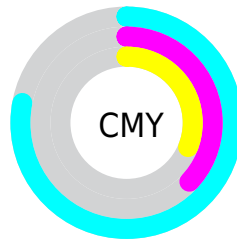
-  Red (22%)
-  Green (63%)
-  Blue (69%)






-  Red (22%)
-  Yellow (44%)
-  Blue (69%)



-  Cyan (68%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (31%)



-  Cyan (78%)
-  Magenta (37%)
-  Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0775, 0.2285, 0.3028 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 29.0775, 0.2285, 0.3028 by changing the saturation by 10% instead.


 29.0775, 0.2285,
0.3028


 29.0775, 0.2285,
0.3028


297.5805, 0.2725,
0.3181

 19.1395, 0.2170,
0.2982


 58.2002, 0.2449,
0.3089

 11.7711, 0.2020,
0.2917


 78.1536, 0.2509,
0.3111


 6.5880, 0.1818,
0.2821


 102.2143, 0.2560,
0.3128

 3.2058, 0.1533,
0.2667

 130.7667, 0.2603,
0.3142

 1.2401, 0.1054,
0.2408

 164.1951, 0.2640,
0.3154

 0.0941, 0.0000,
0.0682

202.8839, 0.2672,

 0.0000, 0.0000,

0.3165

0.0000

247.2176, 0.2700,
0.3174

■ 29.0775, 0.2285,
0.3028

■ 29.0775, 0.2285,
0.3028

■ 27.9001, 0.2219,
0.2984

■ 30.4470, 0.2369,
0.3072

■ 26.8921, 0.2172,
0.2940

■ 32.0218, 0.2471,
0.3114

■ 26.0233, 0.2141,
0.2897

■ 33.8178, 0.2588,
0.3155

■ 25.8513, 0.2136,
0.2888

■ 35.8482, 0.2719,
0.3194

■ 38.1253, 0.2859,
0.3231

■ 40.6602, 0.3007,
0.3265

■ 43.4637, 0.3159,
0.3296

■ 46.5456, 0.3312,
0.3324

■ 49.9153, 0.3465,
0.3349

Harmonies

Analogous

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



29.0775, 0.2515, 0.3499



29.0775, 0.2285, 0.3028



29.0775, 0.2262, 0.2684

Triad

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



29.0775, 0.2285, 0.3028



29.0775, 0.3291, 0.2748



29.0775, 0.3817, 0.4090

Complementary

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



29.0775, 0.2285, 0.3028



13.9178, 0.5173, 0.3486

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.



29.0775, 0.4066, 0.3811



29.0775, 0.2285, 0.3028



29.0775, 0.3757, 0.3061

Square

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



29.0775, 0.2285, 0.3028



29.0775, 0.2811, 0.2556



29.0775, 0.4049, 0.3438



29.0775, 0.3391, 0.4158

Rectangle

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



29.0775, 0.2285, 0.3028



29.0775, 0.2363, 0.2558



29.0775, 0.4049, 0.3438



29.0775, 0.3925, 0.4015

Sweetspot

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



29.0786, 0.2285, 0.3028



67.2667, 0.2825, 0.3222



31.9421, 0.2962, 0.5235



14.6977, 0.2786, 0.3212



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.



29.0786, 0.2285, 0.3028



48.9496, 0.2191, 0.2960



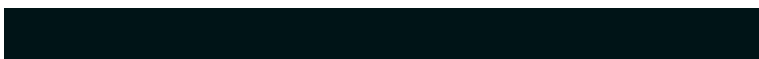
13.3771, 0.2017, 0.1915



8.8971, 0.2986, 0.3261



18.5768, 0.2137, 0.2893



0.5639, 0.2173, 0.3024

Inverse Universe

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



14.4887, 0.3408, 0.1941



22.2330, 0.3482, 0.1788



25.2097, 0.4477, 0.4292



8.1304, 0.3156, 0.3094



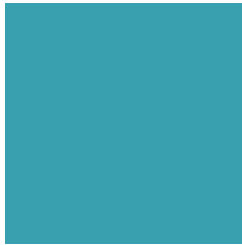
8.1784, 0.3549, 0.1729



0.2323, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 29.0775, 0.2285, 0.3028 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 29.0775, 0.2285, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

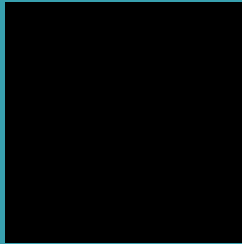
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0775, 0.2285, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 29.0775, 0.2285, 0.3028.



This preview shows how white text looks on a background with the Yxy color 29.0775, 0.2285, 0.3028.

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

29.0775, 0.2285, 0.3028

Protanopia

28.8071, 0.2920, 0.2978

Deuteranopia

28.7392, 0.2798, 0.2746



Tritanopia

28.9710, 0.2292, 0.3061

Trichromacy



Original Color

29.0775, 0.2285, 0.3028

Protanomaly

28.0568, 0.2610, 0.2974

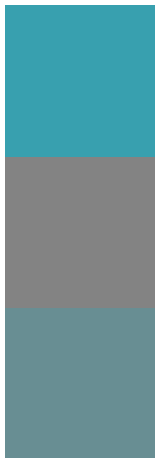
Deuteranomaly

28.0888, 0.2543, 0.2819

Tritanomaly

29.0098, 0.2286, 0.3044

Monochromacy



Original Color

29.0775, 0.2285, 0.3028

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.3956, 0.2707, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0775, 0.2285, 0.3028 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(56, 160, 175)` looks like.

```
.text, #text, p{  
    color:rgb(56, 160, 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(56, 160, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 160, 175) }
```

Border

The CSS property to change the border of an element to Yxy 29.0775, 0.2285, 0.3028 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(56, 160, 175) }
```

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

```
.border{ border-color:rgb(56, 160, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 160, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 160, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 160, 175);  
box-shadow:4px 4px 4px 4px rgb(56, 160,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0775, 0.2285, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 160, 175) }
```

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

```
.background{ background-color: rgb(56, 160,  
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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