

Converting Colors

$Y_{xy}(30.0258, 0.2325, 0.3065)$

Have a look what the booklet for
Yxy(30.0258, 0.2325, 0.3065)
contains.

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Color

Yxy(30.0258, 0.2325, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	40A2AF
RGB	64, 162, 175
RGB Percent	25%, 64%, 69%
CMY	0.7488, 0.3647, 0.3137
CMYK	0.63, 0.07, 0.00, 0.31
HSL	187°, 46%, 47%
HSV	187°, 63%, 69%
XYZ	22.7765, 30.0258, 45.1612
YIQ	134.1800, -62.5810, -16.7330

Conversions

Conversions Part 2

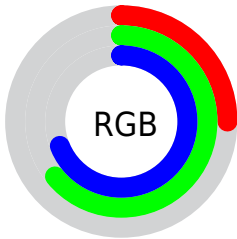
Format	Color
R _{YB}	64, 116, 175
Decimal	4235951
CIE Lab	61.68, -24.25, -15.23
CIE LCh	62, 28.632, 212.130
Yxy	30.0258, 0.2325, 0.3065
Android (android.graphics.Color)	4282426031 (0xFF40A2AF)
YUV	134.1800, 20.1243, -61.5479
Hunter-Lab	54.7958, -21.6971, -10.5081

Details

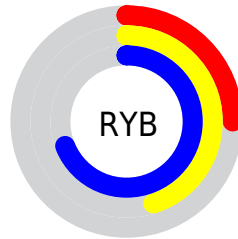
The Yxy color **30.0258, 0.2325, 0.3065** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.8063, 0.4984, 0.3470**, and the grayscale version is **23.8581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6803, 0.2479, 0.3111**, and **12.5819, 0.2157, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **28.8110, 0.2252, 0.3024**, and if you desaturate by 10%, it is **31.4388, 0.2416, 0.3105**.

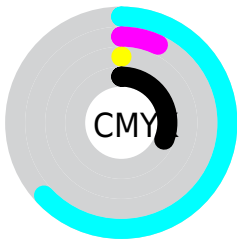
Distribution



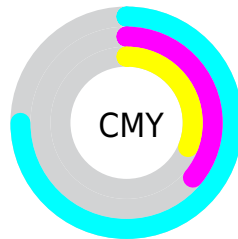
- Red (25%)
- Green (64%)
- Blue (69%)



- Red (25%)
- Yellow (45%)
- Blue (69%)



- Cyan (63%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (75%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0258, 0.2325, 0.3065 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 30.0258, 0.2325, 0.3065 by changing the saturation by 10% instead.


 30.0258, 0.2325,
0.3065


 30.0258, 0.2325,
0.3065


302.0247, 0.2743,
0.3197


 19.8582, 0.2216,
0.3025


 59.7030, 0.2480,
0.3118


 12.2920, 0.2074,
0.2969


 79.9813, 0.2538,
0.3136


 6.9429, 0.1882,
0.2886


 104.3987, 0.2586,
0.3151

 3.4264, 0.1611,
0.2752

 133.3395, 0.2627,
0.3163

 1.3582, 0.1181,
0.2520

 167.1881, 0.2662,
0.3174

 0.1856, 0.0000,
0.1250

206.3289, 0.2692,

 0.0000, 0.0000,

0.3183

0.0000

251.1463, 0.2719,
0.3190

■ 30.0258, 0.2325,
0.3065

■ 30.0258, 0.2325,
0.3065

■ 28.8110, 0.2252,
0.3024

■ 31.4388, 0.2416,
0.3105

■ 27.7732, 0.2198,
0.2984

■ 33.0622, 0.2525,
0.3144

■ 26.8918, 0.2161,
0.2944

■ 34.9113, 0.2647,
0.3181

■ 26.3648, 0.2144,
0.2917

■ 36.9987, 0.2782,
0.3217

■ 39.3361, 0.2926,
0.3250

■ 41.9346, 0.3075,
0.3280

■ 44.8044, 0.3229,
0.3308

■ 47.9552, 0.3383,
0.3333

■ 51.3962, 0.3535,
0.3355

Harmonies

Analogous

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



30.0258, 0.2558, 0.3519



30.0258, 0.2325, 0.3065



30.0258, 0.2291, 0.2724

Triad

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



30.0258, 0.2325, 0.3065



30.0258, 0.3257, 0.2754



30.0258, 0.3810, 0.4047

Complementary

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



30.0258, 0.2325, 0.3065



14.8063, 0.4984, 0.3470

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.



30.0258, 0.4034, 0.3774



30.0258, 0.2325, 0.3065



30.0258, 0.3708, 0.3050

Square

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



30.0258, 0.2325, 0.3065



30.0258, 0.2799, 0.2577



30.0258, 0.4001, 0.3413



30.0258, 0.3409, 0.4124

Rectangle

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



30.0258, 0.2325, 0.3065



30.0258, 0.2380, 0.2594



30.0258, 0.4001, 0.3413



30.0258, 0.3910, 0.3972

Sweetspot

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



30.0269, 0.2325, 0.3065



67.8963, 0.2839, 0.3231



32.2948, 0.2966, 0.5098



14.8360, 0.2800, 0.3221



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.



30.0269, 0.2325, 0.3065



50.8243, 0.2228, 0.3009



14.6189, 0.2085, 0.2022



8.9092, 0.2986, 0.3263



18.9349, 0.2145, 0.2922



0.5711, 0.2179, 0.3043

Inverse Universe

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



15.3981, 0.3372, 0.1994



23.4955, 0.3435, 0.1825



26.1210, 0.4376, 0.4245



8.1316, 0.3155, 0.3092



8.2145, 0.3524, 0.1715



0.2330, 0.3416, 0.1656

Previews

White Background



This preview shows how the Yxy color 30.0258, 0.2325, 0.3065 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 30.0258, 0.2325, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

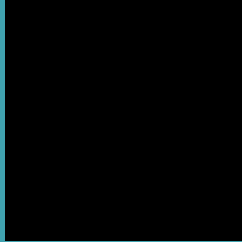
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0258, 0.2325, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 30.0258, 0.2325, 0.3065.



This preview shows how white text looks on a background with the Yxy color 30.0258, 0.2325, 0.3065.

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

30.0258, 0.2325, 0.3065

Protanopia

29.6950, 0.2950, 0.3013

Deuteranopia

29.7085, 0.2837, 0.2782



Tritanopia

30.0258, 0.2325, 0.3065

Trichromacy



Original Color

30.0258, 0.2325, 0.3065

Protanomaly

29.0340, 0.2654, 0.3011

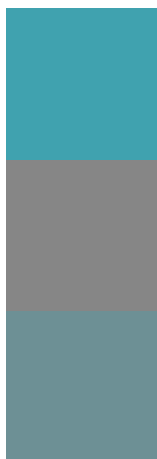
Deuteranomaly

29.1295, 0.2594, 0.2858

Tritanomaly

30.0258, 0.2325, 0.3065

Monochromacy



Original Color

30.0258, 0.2325, 0.3065

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.3677, 0.2738, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0258, 0.2325, 0.3065 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(64, 162, 175)` looks like.

```
.text, #text, p{  
  color:rgb(64, 162, 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(64, 162, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 162, 175) }
```

Border

The CSS property to change the border of an element to Yxy 30.0258, 0.2325, 0.3065 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(64, 162, 175) }
```

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

```
.border{ border-color:rgb(64, 162, 175) }
```

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

Here you see how a box with a 4 pixel rgb(64, 162, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 162, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 162, 175);  
box-shadow:4px 4px 4px 4px rgb(64, 162,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0258, 0.2325, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 162, 175) }
```

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

```
.background{ background-color: rgb(64, 162,  
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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