

Converting Colors

$Yxy(30.0467, 0.2356, 0.3124)$

Have a look what the booklet for
Yxy(30.0467, 0.2356, 0.3124)
contains.

Yxy(30.0125, 0.2355, 0.3116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.0125, 0.2355, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	43A2AC
RGB	67, 162, 172
RGB Percent	26%, 64%, 67%
CMY	0.7371, 0.3647, 0.3255
CMYK	0.61, 0.06, 0.00, 0.33
HSL	186°, 44%, 47%
HSV	186°, 61%, 67%
XYZ	22.6827, 30.0125, 43.6221
YIQ	134.7350, -59.8300, -17.0300

Conversions

Conversions Part 2

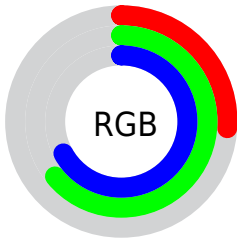
Format	Color
RYB	67, 117, 172
Decimal	4432556
CIELab	61.67, -24.62, -13.53
CIElCh	62, 28.098, 208.794
Yxy	30.0125, 0.2355, 0.3116
Android (android.graphics.Color)	4282622636 (0xFF43A2AC)
YUV	134.7350, 18.3716, -59.4036
Hunter-Lab	54.7837, -21.9649, -8.8618




Details

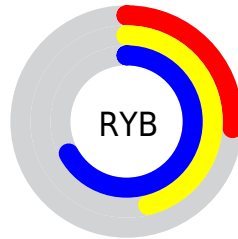
The Yxy color **30.0125, 0.2355, 0.3116** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.4884, 0.4902, 0.3434**, and the grayscale version is **24.0772, 0.3127, 0.3290**.




A 20% lighter version of the original color is **59.6074, 0.2507, 0.3161**, and **12.5079, 0.2177, 0.3037** is the 20% darker color. If you saturate the color by 10%, you get **28.9198, 0.2280, 0.3084**, and if you desaturate by 10%, it is **31.2955, 0.2448, 0.3148**.

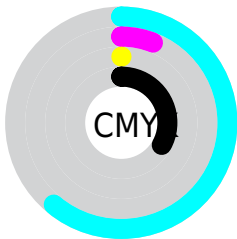
Distribution







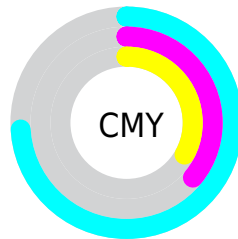
-  Red (26%)
-  Green (64%)
-  Blue (67%)






-  Red (26%)
-  Yellow (46%)
-  Blue (67%)



-  Cyan (61%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (33%)





-  Cyan (74%)
-  Magenta (36%)
-  Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0125, 0.2355, 0.3116 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 30.0125, 0.2355, 0.3116 by changing the saturation by 10% instead.

 30.0125, 0.2355,
0.3116


 30.0125, 0.2355,
0.3116


301.9627, 0.2758,
0.3220

 19.8481, 0.2249,
0.3084


 59.6819, 0.2505,
0.3158


 12.2847, 0.2111,
0.3038


 79.9558, 0.2561,
0.3173

 6.9379, 0.1924,
0.2969


 104.3682, 0.2607,
0.3184

 3.4233, 0.1657,
0.2856

 133.3035, 0.2646,
0.3194

 1.3565, 0.1226,
0.2656

 167.1463, 0.2680,
0.3202

 0.1843, 0.0000,
0.1373

206.2808, 0.2710,

 0.0000, 0.0000,

0.3209

0.0000

251.0915, 0.2735,
0.3215

■ 30.0125, 0.2355,
0.3116

■ 30.0125, 0.2355,
0.3116

■ 28.9198, 0.2280,
0.3084

■ 31.2955, 0.2448,
0.3148

■ 27.9974, 0.2224,
0.3051

■ 32.7800, 0.2557,
0.3179

■ 27.2270, 0.2187,
0.3019

■ 34.4801, 0.2681,
0.3209

■ 26.6266, 0.2164,
0.2990

■ 36.4078, 0.2817,
0.3237

■ 38.5741, 0.2961,
0.3263

■ 40.9893, 0.3112,
0.3288

■ 43.6631, 0.3265,
0.3310

■ 46.6047, 0.3420,
0.3330

■ 49.8226, 0.3573,
0.3347

Harmonies

Analogous

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



30.0125, 0.2605, 0.3565



30.0125, 0.2355, 0.3116



30.0125, 0.2299, 0.2764

Triad

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



30.0125, 0.2355, 0.3116



30.0125, 0.3202, 0.2737



30.0125, 0.3833, 0.4012

Complementary

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



30.0125, 0.2355, 0.3116



14.4884, 0.4902, 0.3434

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.



30.0125, 0.4027, 0.3729



30.0125, 0.2355, 0.3116



30.0125, 0.3653, 0.3018

Square

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



30.0125, 0.2355, 0.3116



30.0125, 0.2761, 0.2579



30.0125, 0.3964, 0.3370



30.0125, 0.3454, 0.4112

Rectangle

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



30.0125, 0.2355, 0.3116



30.0125, 0.2372, 0.2622



30.0125, 0.3964, 0.3370



30.0125, 0.3923, 0.3932

Sweetspot

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



30.0136, 0.2355, 0.3116



67.0728, 0.2855, 0.3244



31.2155, 0.2989, 0.5081



14.3450, 0.2815, 0.3237



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.0136, 0.2355, 0.3116



51.8874, 0.2260, 0.3073



15.4925, 0.2139, 0.2148



8.9398, 0.2986, 0.3268



19.8604, 0.2165, 0.2994



0.5894, 0.2192, 0.3090

Inverse Universe

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



15.3980, 0.3328, 0.2006



23.7987, 0.3377, 0.1827



24.6827, 0.4356, 0.4170



8.1347, 0.3151, 0.3087



8.3080, 0.3460, 0.1680



0.2348, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 30.0125, 0.2355, 0.3116 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 30.0125, 0.2355, 0.3116 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 30.0125, 0.2355, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 30.0125, 0.2355, 0.3116.

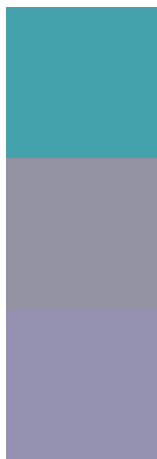


This preview shows how white text looks on a background with the Yxy color 30.0125, 0.2355, 0.3116.

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

30.0125, 0.2355, 0.3116

Protanopia

29.5871, 0.2977, 0.3057

Deuteranopia

29.7749, 0.2881, 0.2826



Tritanopia

30.1647, 0.2342, 0.3066

Trichromacy



Original Color

30.0125, 0.2355, 0.3116

Protanomaly

28.9916, 0.2685, 0.3059

Deuteranomaly

29.1503, 0.2632, 0.2905

Tritanomaly

30.1256, 0.2348, 0.3083

Monochromacy



Original Color

30.0125, 0.2355, 0.3116

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.7039, 0.2757, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0125, 0.2355, 0.3116 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(67, 162, 172)` looks like.

```
.text, #text, p{  
    color:rgb(67, 162, 172)  
}
```

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(67, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 162, 172) }
```

Border

The CSS property to change the border of an element to Yxy 30.0125, 0.2355, 0.3116 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(67, 162, 172) }
```

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

```
.border{ border-color:rgb(67, 162, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 162, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(67, 162,  
172) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.0125, 0.2355, 0.3116$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 162, 172) }
```

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

```
.background{ background-color: rgb(67, 162,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor