

Converting Colors

$Y_{xy}(29.9450, 0.2155, 0.2940)$

Have a look what the booklet for
Yxy(29.9450, 0.2155, 0.2940)
contains.

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Color

Yxy(30.0503, 0.2156, 0.2945)

Conversions

Conversions Part 1

Format	Color
Hex	06A4B8
RGB	6, 164, 184
RGB Percent	2%, 64%, 72%
CMY	0.9775, 0.3568, 0.2784
CMYK	0.97, 0.11, 0.00, 0.28
HSL	187°, 94%, 37%
HSV	187°, 97%, 72%
XYZ	21.9995, 30.0503, 49.9886
YIQ	119.0380, -100.5880, -27.2760

Conversions

Conversions Part 2

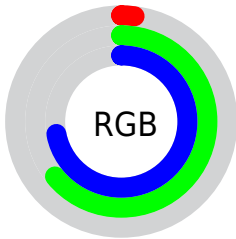
Format	Color
R _Y B	6, 90, 184
Decimal	435384
CIE Lab	61.70, -27.91, -20.33
CIE LCh	62, 34.528, 216.065
Yxy	30.0503, 0.2156, 0.2945
Android (android.graphics.Color)	4278625464 (0xFF06A4B8)
YUV	119.0380, 32.0263, -99.1343
Hunter-Lab	54.8182, -24.2966, -15.6938

Details

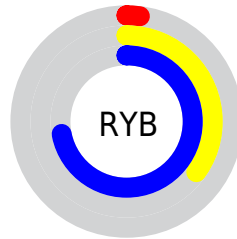
The Yxy color **30.0503, 0.2156, 0.2945** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9297, 0.6242, 0.3383**, and the grayscale version is **18.3555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5510, 0.2338, 0.3021**, and **13.2270, 0.2121, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **29.7850, 0.2148, 0.2933**, and if you desaturate by 10%, it is **30.9549, 0.2186, 0.2983**.

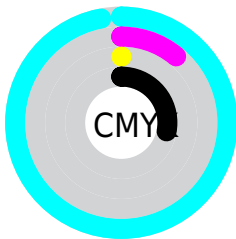
Distribution



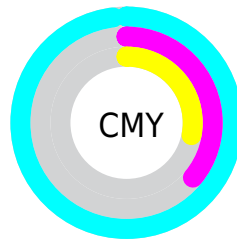
- Red (2%)
- Green (64%)
- Blue (72%)



- Red (2%)
- Yellow (35%)
- Blue (72%)



- Cyan (97%)
- Magenta (11%)
- Yellow (0%)
- Black (28%)





- Cyan (98%)
- Magenta (36%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0503, 0.2156, 0.2945 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 30.0503, 0.2156, 0.2945 by changing the saturation by 10% instead.


 30.0503, 0.2156,
0.2945


 30.0503, 0.2156,
0.2945


 302.1388, 0.2656,
0.3145

 19.8768, 0.2029,
0.2886


 59.7417, 0.2340,
0.3025

 12.3055, 0.1864,
0.2803


 80.0284, 0.2409,
0.3052


 6.9521, 0.1647,
0.2684


 104.4549, 0.2466,
0.3075

 3.4322, 0.1349,
0.2498

 133.4056, 0.2516,
0.3094

 1.3613, 0.0885,
0.2194

 167.2650, 0.2558,
0.3110

 0.1879, 0.0000,
0.0951

 206.4174, 0.2595,

 0.0000, 0.0000,

0.3123

0.0000

251.2472, 0.2627,
0.3135

■ 30.0503, 0.2156,
0.2945

■ 30.0503, 0.2156,
0.2945

■ 29.7850, 0.2148,
0.2933

■ 30.9549, 0.2186,
0.2983

■ 32.0193, 0.2233,
0.3022

■ 33.2746, 0.2298,
0.3061

■ 34.7421, 0.2382,
0.3099

■ 36.4406, 0.2484,
0.3137

■ 38.3863, 0.2602,
0.3174

■ 40.5941, 0.2733,
0.3208

■ 43.0778, 0.2874,
0.3241

■ 45.8499, 0.3022,
0.3271

Harmonies

Analogous

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



30.0503, 0.2396, 0.3488



30.0503, 0.2156, 0.2945



30.0503, 0.2149, 0.2571

Triad

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



30.0503, 0.2156, 0.2945



30.0503, 0.3354, 0.2693



30.0503, 0.3885, 0.4224

Complementary

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



30.0503, 0.2156, 0.2945



10.9297, 0.6242, 0.3383

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.



30.0503, 0.4197, 0.3905



30.0503, 0.2156, 0.2945



30.0503, 0.3888, 0.3052

Square

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



30.0503, 0.2156, 0.2945



30.0503, 0.2797, 0.2466



30.0503, 0.4206, 0.3481



30.0503, 0.3384, 0.4296

Rectangle

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



30.0503, 0.2156, 0.2945



30.0503, 0.2273, 0.2443



30.0503, 0.4206, 0.3481



30.0503, 0.4016, 0.4137

Sweetspot

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



30.0514, 0.2156, 0.2945



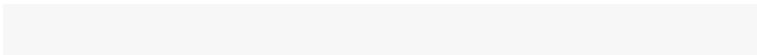
72.4995, 0.2698, 0.3199



34.3828, 0.2979, 0.5896



15.2627, 0.2642, 0.3185



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.0514, 0.2156, 0.2945



53.7698, 0.2146, 0.2927



8.8107, 0.1708, 0.1322



10.0340, 0.2985, 0.3264



20.5920, 0.2149, 0.2938



0.7752, 0.2177, 0.3036

Inverse Universe

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



12.9955, 0.3502, 0.1715



23.2676, 0.3519, 0.1712



21.9448, 0.5067, 0.4332



9.1449, 0.3154, 0.3089



8.8611, 0.3509, 0.1707



0.3174, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 30.0503, 0.2156, 0.2945 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 30.0503, 0.2156, 0.2945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

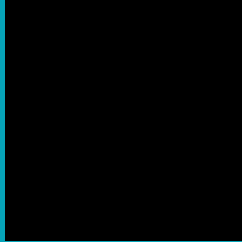
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0503, 0.2156, 0.2945

Background



This preview shows how black text looks on a background with the Yxy color 30.0503, 0.2156, 0.2945.



This preview shows how white text looks on a background with the Yxy color 30.0503, 0.2156, 0.2945.

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

30.0503, 0.2156, 0.2945

Protanopia

29.6856, 0.2860, 0.2907

Deuteranopia

29.6324, 0.2718, 0.2653



Tritanopia

30.1246, 0.2184, 0.3061

Trichromacy



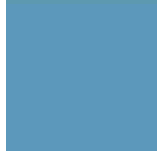
Original Color

30.0503, 0.2156, 0.2945



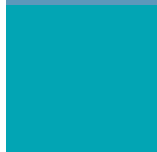
Protanomaly

28.2442, 0.2441, 0.2904



Deuteranomaly

28.3196, 0.2364, 0.2720



Tritanomaly

30.2185, 0.2176, 0.3028

Monochromacy



Original Color

30.0503, 0.2156, 0.2945



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.9308, 0.2508, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0503, 0.2156, 0.2945 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(6, 164, 184)` looks like.

```
.text, #text, p{  
    color:rgb(6, 164, 184)  
}
```

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(6, 164, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 164, 184) }
```

Border

The CSS property to change the border of an element to Yxy 30.0503, 0.2156, 0.2945 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(6, 164, 184) }
```

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

```
.border{ border-color:rgb(6, 164, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 164, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 164, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 164, 184);  
box-shadow:4px 4px 4px 4px rgb(6, 164,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0503, 0.2156, 0.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 164, 184) }
```

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

```
.background{ background-color: rgb(6, 164,  
184) }
```

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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