

Converting Colors

$Y_{xy}(30.5900, 0.2123, 0.2844)$

Have a look what the booklet for
Yxy(30.5900, 0.2123, 0.2844)
contains.

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Color

Yxy(30.6719, 0.2126, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	01A5BF
RGB	1, 165, 191
RGB Percent	0%, 65%, 75%
CMY	0.9980, 0.3530, 0.2510
CMYK	1.00, 0.14, 0.00, 0.25
HSL	188°, 99%, 38%
HSV	188°, 100%, 75%
XYZ	22.8641, 30.6719, 54.0092
YIQ	118.9280, -106.0900, -26.6820

Conversions

Conversions Part 2

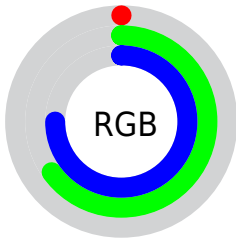
Format	Color
R _Y B	1, 89, 191
Decimal	107967
CIE Lab	62.23, -26.23, -23.44
CIE LCh	62, 35.180, 221.781
Yxy	30.6719, 0.2126, 0.2852
Android (android.graphics.Color)	4278298047 (0xFF01A5BF)
YUV	118.9280, 35.5315, -103.4229
Hunter-Lab	55.3822, -23.2265, -19.0526

Details

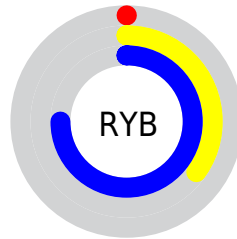
The Yxy color **30.6719, 0.2126, 0.2852** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8409, 0.6274, 0.3397**, and the grayscale version is **18.2852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5544, 0.2315, 0.2950**, and **13.6452, 0.2088, 0.2715** is the 20% darker color. If you saturate the color by 10%, you get **30.6443, 0.2125, 0.2851**, and if you desaturate by 10%, it is **31.7650, 0.2155, 0.2899**.

Distribution



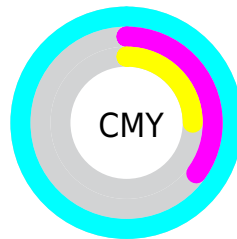
- Red (0%)
- Green (65%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (35%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6719, 0.2126, 0.2852 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 30.6719, 0.2126, 0.2852 by changing the saturation by 10% instead.

 30.6719, 0.2126,
0.2852


 30.6719, 0.2126,
0.2852


 305.0239, 0.2638,
0.3100


 20.3491, 0.1997,
0.2781


 60.7231, 0.2314,
0.2949


 12.6491, 0.1832,
0.2684


 81.2204, 0.2384,
0.2983


 7.1874, 0.1615,
0.2546


 105.8780, 0.2443,
0.3012

 3.5795, 0.1321,
0.2338

 135.0802, 0.2493,
0.3035

 1.4413, 0.0899,
0.2004

 169.2115, 0.2537,
0.3055

 0.2468, 0.0000,
0.0989

208.6563, 0.2575,

 0.0000, 0.0000,

0.3072

0.0000

253.7990, 0.2608,
0.3087

■ 30.6719, 0.2126,
0.2852

■ 30.6719, 0.2126,
0.2852

■ 30.6443, 0.2125,
0.2851

■ 31.7650, 0.2155,
0.2899

■ 33.0160, 0.2200,
0.2947

■ 34.4735, 0.2263,
0.2995

■ 36.1627, 0.2345,
0.3043

■ 38.1046, 0.2445,
0.3090

■ 40.3180, 0.2562,
0.3135

■ 42.8195, 0.2691,
0.3178

■ 45.6247, 0.2831,
0.3219

■ 48.7477, 0.2979,
0.3256

Harmonies

Analogous

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



30.6719, 0.2324, 0.3378



30.6719, 0.2126, 0.2852



30.6719, 0.2164, 0.2515

Triad

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



30.6719, 0.2126, 0.2852



30.6719, 0.3467, 0.2748



30.6719, 0.3807, 0.4272

Complementary

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



30.6719, 0.2126, 0.2852



11.8409, 0.6274, 0.3397

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.



30.6719, 0.4169, 0.3984



30.6719, 0.2126, 0.2852



30.6719, 0.3981, 0.3128

Square

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



30.6719, 0.2126, 0.2852



30.6719, 0.2894, 0.2488



30.6719, 0.4244, 0.3566



30.6719, 0.3280, 0.4283

Rectangle

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



30.6719, 0.2126, 0.2852



30.6719, 0.2317, 0.2415



30.6719, 0.4244, 0.3566



30.6719, 0.3953, 0.4200

Sweetspot

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



30.6730, 0.2126, 0.2852



76.3315, 0.2681, 0.3175



37.3424, 0.2971, 0.5894



16.3312, 0.2625, 0.3157



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



30.6730, 0.2126, 0.2852



54.6132, 0.2123, 0.2843



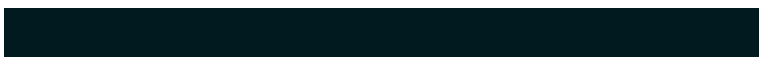
8.1910, 0.1659, 0.1169



10.5813, 0.2985, 0.3258



20.2241, 0.2127, 0.2857



0.8544, 0.2159, 0.2970

Inverse Universe

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



13.8049, 0.3587, 0.1751



24.6710, 0.3595, 0.1754



24.7922, 0.5022, 0.4392



9.6733, 0.3158, 0.3094



9.0713, 0.3582, 0.1747



0.3616, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 30.6719, 0.2126, 0.2852 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.6719, 0.2126, 0.2852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

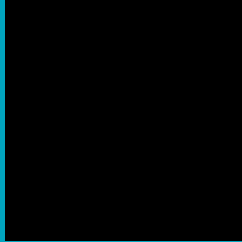
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6719, 0.2126, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 30.6719, 0.2126, 0.2852.



This preview shows how white text looks on a background with the Yxy color 30.6719, 0.2126, 0.2852.

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

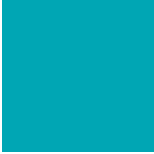
30.6783, 0.2126, 0.2852

Protanopia

30.2741, 0.2803, 0.2823

Deuteranopia

30.3830, 0.2650, 0.2589



Tritanopia

30.5677, 0.2179, 0.3046

Trichromacy



Original Color

30.6783, 0.2126, 0.2852



Protanomaly

28.7542, 0.2388, 0.2813



Deuteranomaly

29.1301, 0.2313, 0.2651



Tritanomaly

30.7331, 0.2161, 0.2980

Monochromacy



Original Color

30.6783, 0.2126, 0.2852



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.1892, 0.2482, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6719, 0.2126, 0.2852 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(1, 165, 191)` looks like.

```
.text, #text, p{  
  color:rgb(1, 165, 191)  
}
```

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(1, 165, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 165, 191) }
```

Border

The CSS property to change the border of an element to Yxy 30.6719, 0.2126, 0.2852 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(1, 165, 191) }
```

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

```
.border{ border-color:rgb(1, 165, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 165, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 165, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 165, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 165,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6719, 0.2126, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 165, 191) }
```

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

```
.background{ background-color: rgb(1, 165,  
191) }
```

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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