

Converting Colors

$Yxy(30.4025, 0.2120, 0.2621)$

Have a look what the booklet for
Yxy(30.4025, 0.2120, 0.2621)
contains.

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Color

Yxy(30.3370, 0.2118, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	2CA1CB
RGB	44, 161, 203
RGB Percent	17%, 63%, 80%
CMY	0.8277, 0.3686, 0.2039
CMYK	0.78, 0.21, 0.00, 0.20
HSL	196°, 64%, 48%
HSV	196°, 78%, 80%
XYZ	24.5618, 30.3370, 61.0683
YIQ	130.8050, -83.2140, -11.7420

Conversions

Conversions Part 2

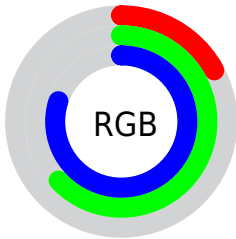
Format	Color
R_{YB}	44, 111, 203
Decimal	2925003
CIE _{Lab}	61.94, -17.49, -30.55
CIE _{LCh}	62, 35.201, 240.211
Yxy	30.3370, 0.2118, 0.2616
Android (android.graphics.Color)	4281115083 (0xFF2CA1CB)
YUV	130.8050, 35.5921, -76.1280
Hunter-Lab	55.0790, -16.7884, -27.1818

Details

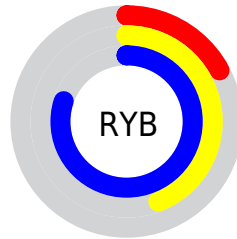
The Yxy color **30.3370, 0.2118, 0.2616** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **19.5268, 0.5403, 0.3713**, and the grayscale version is **22.5116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9091, 0.2326, 0.2812**, and **13.1072, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **28.1598, 0.2054, 0.2517**, and if you desaturate by 10%, it is **32.8163, 0.2202, 0.2715**.

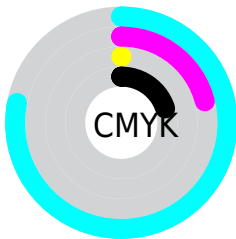
Distribution



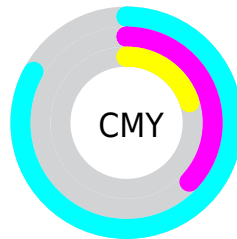
- Red (17%)
- Green (63%)
- Blue (80%)



- Red (17%)
- Yellow (44%)
- Blue (80%)



- Cyan (78%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)



- Cyan (83%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3370, 0.2118, 0.2616 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 30.3370, 0.2118, 0.2616 by changing the saturation by 10% instead.

■ 30.3370, 0.2118,
0.2616

■ 30.3370, 0.2118,
0.2616

■ 303.4721, 0.2633,
0.2981

■ 20.0945, 0.1989,
0.2517

■ 60.1947, 0.2306,
0.2755

■ 12.4638, 0.1825,
0.2387

■ 80.5787, 0.2377,
0.2805

■ 7.0604, 0.1611,
0.2209

■ 105.1121, 0.2436,
0.2847

■ 3.4999, 0.1324,
0.1955

■ 134.1791, 0.2487,
0.2882

■ 1.3979, 0.0936,
0.1576

■ 168.1642, 0.2531,
0.2912

■ 0.2152, 0.0000,
0.0637

207.4519, 0.2569,

■ 0.0000, 0.0000,

0.2938

0.0000

252.4264, 0.2603,
0.2961

■ 30.3370, 0.2118,
0.2616

■ 30.3370, 0.2118,
0.2616

■ 28.1598, 0.2054,
0.2517

■ 32.8163, 0.2202,
0.2715

■ 26.2370, 0.2008,
0.2420

■ 35.6237, 0.2304,
0.2813

■ 25.9346, 0.2001,
0.2404

■ 38.7854, 0.2423,
0.2907

■ 42.3236, 0.2556,
0.2998

■ 46.2583, 0.2698,
0.3083

■ 50.6080, 0.2847,
0.3162

■ 55.3898, 0.2999,
0.3235

■ 60.6196, 0.3152,
0.3300

■ 66.3128, 0.3304,
0.3359

Harmonies

Analogous

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



30.3370, 0.2171, 0.3036



30.3370, 0.2118, 0.2616



30.3370, 0.2299, 0.2416

Triad

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



30.3370, 0.2118, 0.2616



30.3370, 0.3806, 0.2970



30.3370, 0.3494, 0.4325

Complementary

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



30.3370, 0.2118, 0.2616



19.5268, 0.5403, 0.3713

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.



30.3370, 0.3977, 0.4189



30.3370, 0.2118, 0.2616



30.3370, 0.4185, 0.3395

Square

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



30.3370, 0.2118, 0.2616



30.3370, 0.3243, 0.2628



30.3370, 0.4242, 0.3833



30.3370, 0.2938, 0.4114

Rectangle

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



30.3370, 0.2118, 0.2616



30.3370, 0.2540, 0.2402



30.3370, 0.4242, 0.3833



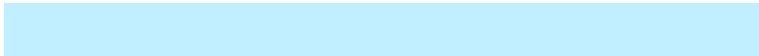
30.3370, 0.3671, 0.4314

Sweetspot

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



30.3381, 0.2118, 0.2616



80.3014, 0.2757, 0.3116



43.8875, 0.2876, 0.5262



16.6402, 0.2704, 0.3087



0.0000, 0.0000, 0.0000



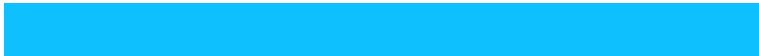
21.4041, 0.3127, 0.3290

Same Dimension

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



30.3381, 0.2118, 0.2616



44.8921, 0.2021, 0.2450



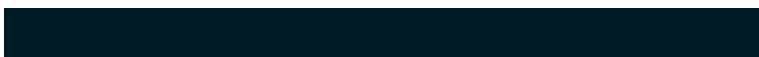
11.1419, 0.1782, 0.1327



12.2062, 0.2983, 0.3227



16.6580, 0.2005, 0.2417



0.9792, 0.2058, 0.2608

Inverse Universe

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



17.0685, 0.3789, 0.2023



25.4027, 0.3970, 0.1981



39.1609, 0.4481, 0.4591



11.3512, 0.3177, 0.3121



9.4846, 0.4006, 0.1980



0.5014, 0.3817, 0.1876

Previews

White Background



This preview shows how the Yxy color 30.3370, 0.2118, 0.2616 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 30.3370, 0.2118, 0.2616 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 30.3370, 0.2118, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 30.3370, 0.2118, 0.2616.

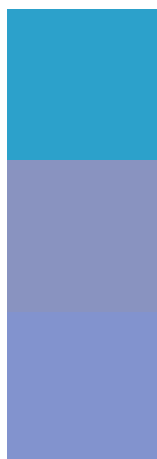


This preview shows how white text looks on a background with the Yxy color 30.3370, 0.2118, 0.2616.

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

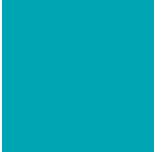
30.3370, 0.2118, 0.2616

Protanopia

29.9916, 0.2647, 0.2623

Deuteranopia

30.0695, 0.2494, 0.2436



Tritanopia

30.1649, 0.2179, 0.3044

Trichromacy



Original Color

30.3370, 0.2118, 0.2616

Protanomaly

29.3256, 0.2379, 0.2605

Deuteranomaly

29.5169, 0.2303, 0.2482

Tritanomaly

30.2919, 0.2147, 0.2882

Monochromacy



Original Color

30.3370, 0.2118, 0.2616

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.4330, 0.2586, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3370, 0.2118, 0.2616 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(44, 161, 203)` looks like.

```
.text, #text, p{  
    color:rgb(44, 161, 203)  
}
```

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(44, 161, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 161, 203) }
```

Border

The CSS property to change the border of an element to Yxy 30.3370, 0.2118, 0.2616 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(44, 161, 203) }
```

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

```
.border{ border-color:rgb(44, 161, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 161, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 161, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 161, 203);  
box-shadow:4px 4px 4px 4px rgb(44, 161,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3370, 0.2118, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 161, 203) }
```

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

```
.background{ background-color: rgb(44, 161,  
203) }
```

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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