

Converting Colors

$Y_{xy}(40.3620, 0.2273, 0.2949)$

Have a look what the booklet for
Yxy(40.3620, 0.2273, 0.2949)
contains.

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Color

Yxy(40.5050, 0.2275, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	46B9CF
RGB	70, 185, 207
RGB Percent	27%, 73%, 81%
CMY	0.7258, 0.2745, 0.1883
CMYK	0.66, 0.11, 0.00, 0.19
HSL	190°, 59%, 54%
HSV	190°, 66%, 81%
XYZ	31.1314, 40.5050, 65.2048
YIQ	153.1230, -75.6020, -17.5380

Conversions

Conversions Part 2

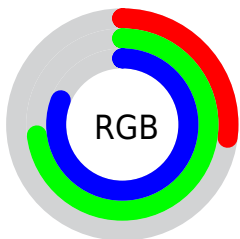
Format	Color
RYB	70, 133, 207
Decimal	4635087
CIELab	69.83, -25.29, -20.60
CIELCh	70, 32.616, 219.167
Yxy	40.5050, 0.2275, 0.2960
Android (android.graphics.Color)	4282825167 (0xFF46B9CF)
YUV	153.1230, 26.5614, -72.8989
Hunter-Lab	63.6435, -24.0625, -16.1940

Details

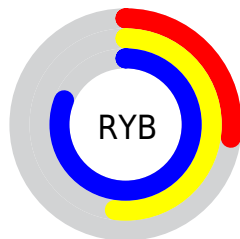
The Yxy color **40.5050, 0.2275, 0.2960** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **21.3415, 0.5085, 0.3541**, and the grayscale version is **31.8088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1171, 0.2463, 0.3126**, and **18.8024, 0.2127, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **38.4932, 0.2202, 0.2903**, and if you desaturate by 10%, it is **42.8173, 0.2367, 0.3017**.

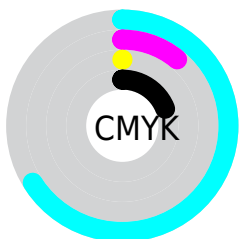
Distribution



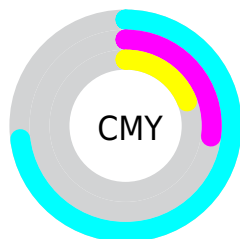
- Red (27%)
- Green (73%)
- Blue (81%)



- Red (27%)
- Yellow (52%)
- Blue (81%)



- Cyan (66%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)





- Cyan (73%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5050, 0.2275, 0.2960 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 40.5050, 0.2275, 0.2960 by changing the saturation by 10% instead.


 40.5050, 0.2275,
0.2960


 40.5050, 0.2275,
0.2960

348.2475, 0.2696,
0.3140

 27.9325, 0.2173,
0.2911


 75.9319, 0.2426,
0.3029


 18.2748, 0.2044,
0.2846


 99.5551, 0.2483,
0.3053

 11.1474, 0.1877,
0.2755


 127.6306, 0.2532,
0.3074

 6.1661, 0.1653,
0.2623

 160.5429, 0.2574,
0.3091

 2.9463, 0.1343,
0.2417

198.6764, 0.2610,
0.3106

 1.1038, 0.0789,
0.2090

242.4153, 0.2642,

 0.0000, 0.0000,

0.3119

0.0000

292.1443, 0.2670,
0.3130

■ 40.5050, 0.2275,
0.2960

■ 40.5050, 0.2275,
0.2960

■ 38.4932, 0.2202,
0.2903

■ 42.8173, 0.2367,
0.3017

■ 36.7485, 0.2149,
0.2845

■ 45.4504, 0.2476,
0.3072

■ 35.2362, 0.2113,
0.2789

■ 48.4278, 0.2600,
0.3125

■ 34.7002, 0.2102,
0.2767

■ 51.7693, 0.2736,
0.3175

■ 55.4932, 0.2881,
0.3222

■ 59.6165, 0.3032,
0.3265

■ 64.1551, 0.3185,
0.3304

■ 69.1239, 0.3340,
0.3340

■ 74.3077, 0.3483,
0.3371

Harmonies

Analogous

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



40.5050, 0.2468, 0.3412



40.5050, 0.2275, 0.2960



40.5050, 0.2289, 0.2650

Triad

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



40.5050, 0.2275, 0.2960



40.5050, 0.3375, 0.2800



40.5050, 0.3745, 0.4111

Complementary

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



40.5050, 0.2275, 0.2960



21.3415, 0.5085, 0.3541

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.



40.5050, 0.4029, 0.3864



40.5050, 0.2275, 0.2960



40.5050, 0.3816, 0.3126

Square

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



40.5050, 0.2275, 0.2960



40.5050, 0.2892, 0.2587



40.5050, 0.4062, 0.3505



40.5050, 0.3306, 0.4131

Rectangle

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



40.5050, 0.2275, 0.2960



40.5050, 0.2412, 0.2547



40.5050, 0.4062, 0.3505



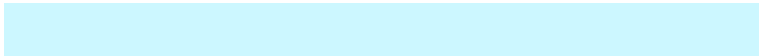
40.5050, 0.3863, 0.4048

Sweetspot

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



40.5065, 0.2275, 0.2960



86.4699, 0.2822, 0.3204



46.6681, 0.2942, 0.5143



18.1464, 0.2780, 0.3190



0.0000, 0.0000, 0.0000



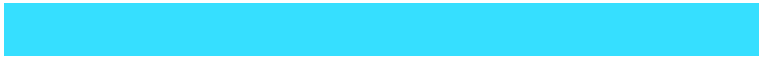
21.4041, 0.3127, 0.3290

Same Dimension

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



40.5065, 0.2275, 0.2960



60.6048, 0.2180, 0.2881



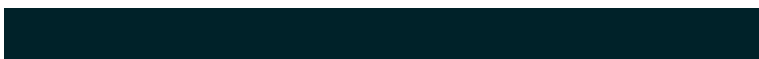
18.7344, 0.2013, 0.1863



13.0707, 0.2983, 0.3252



21.9801, 0.2104, 0.2775



1.3175, 0.2133, 0.2879

Inverse Universe

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



21.1370, 0.3464, 0.1997



29.1680, 0.3549, 0.1855



38.5072, 0.4414, 0.4332



11.9751, 0.3162, 0.3097



10.2902, 0.3658, 0.1789



0.5843, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 40.5050, 0.2275, 0.2960 looks on a white background.

Color Contrast Check

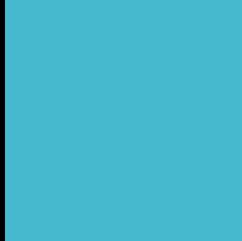
Large Text (above 18pt) WCAG AA × Fail

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 40.5050, 0.2275, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

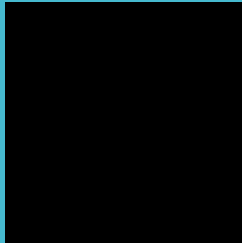
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5050, 0.2275, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 40.5050, 0.2275, 0.2960.



This preview shows how white text looks on a background with the Yxy color 40.5050, 0.2275, 0.2960.

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

40.5050, 0.2275, 0.2960

Protanopia

39.9901, 0.2875, 0.2912

Deuteranopia

39.9749, 0.2763, 0.2700



Tritanopia

40.5281, 0.2297, 0.3061

Trichromacy



Original Color

40.5050, 0.2275, 0.2960



Protanomaly

39.1881, 0.2588, 0.2917



Deuteranomaly

39.2861, 0.2525, 0.2772



Tritanomaly

40.6586, 0.2291, 0.3032

Monochromacy



Original Color

40.5050, 0.2275, 0.2960



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.1384, 0.2703, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5050, 0.2275, 0.2960 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(70, 185, 207)` looks like.

```
.text, #text, p{  
    color:rgb(70, 185, 207)  
}
```

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(70, 185, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 185, 207) }
```

Border

The CSS property to change the border of an element to Yxy 40.5050, 0.2275, 0.2960 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(70, 185, 207) }
```

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

```
.border{ border-color:rgb(70, 185, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 185, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 185, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 185, 207);  
box-shadow:4px 4px 4px 4px rgb(70, 185,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5050, 0.2275, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 185, 207) }
```

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

```
.background{ background-color: rgb(70, 185,  
207) }
```

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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