

Converting Colors

$Y_{xy}(45.8183, 0.2359, 0.3012)$

Have a look what the booklet for
Yxy(45.8183, 0.2359, 0.3012)
contains.

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Color

Yxy(45.7139, 0.2356, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	5CC2D6
RGB	92, 194, 214
RGB Percent	36%, 76%, 84%
CMY	0.6395, 0.2392, 0.1607
CMYK	0.57, 0.09, 0.00, 0.16
HSL	190°, 60%, 60%
HSV	190°, 57%, 84%
XYZ	35.8409, 45.7139, 70.5713
YIQ	165.7820, -67.2120, -15.4040

Conversions

Conversions Part 2

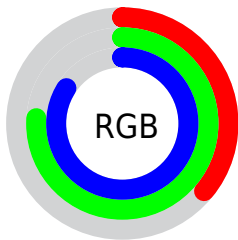
Format	Color
R_{YB}	92, 148, 214
Decimal	6079190
CIE _{Lab}	73.36, -23.94, -19.01
CIE _{LCh}	73, 30.573, 218.458
Yxy	45.7139, 0.2356, 0.3005
Android (android.graphics.Color)	4284269270 (0xFF5CC2D6)
YUV	165.7820, 23.7715, -64.7068
Hunter-Lab	67.6121, -23.6989, -14.5566

Details

The Yxy color **45.7139, 0.2356, 0.3005** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.6519, 0.4697, 0.3530**, and the grayscale version is **37.9243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8898, 0.2563, 0.3244**, and **21.3305, 0.2155, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **43.2215, 0.2265, 0.2947**, and if you desaturate by 10%, it is **48.5578, 0.2464, 0.3062**.

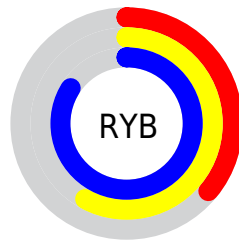
Distribution



Red (36%)

Green (76%)

Blue (84%)



Red (36%)

Yellow (58%)

Blue (84%)

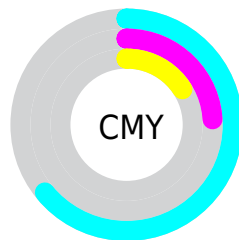


Cyan (57%)

Magenta (9%)

Yellow (0%)

Black (16%)



Cyan (64%)


Magenta (24%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7139, 0.2356, 0.3005 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 45.7139, 0.2356, 0.3005 by changing the saturation by 10% instead.

 45.7139, 0.2356,
0.3005

 45.7139, 0.2356,
0.3005


369.6572, 0.2731,
0.3157

 32.0201, 0.2266,
0.2964


 83.7907, 0.2489,
0.3062

 21.3769, 0.2154,
0.2911


 108.9424, 0.2540,
0.3083

 13.3998, 0.2009,
0.2838


 138.6823, 0.2584,
0.3101

 7.7044, 0.1816,
0.2734


 173.3947, 0.2621,
0.3116

 3.9064, 0.1549,
0.2573

213.4640, 0.2654,
0.3128

 1.6213, 0.1167,
0.2304

259.2746, 0.2683,

 0.3719, 0.0000,

0.3139

0.1597

311.2109, 0.2708,
0.3149

0.0000, 0.0000,
0.0000

45.7139, 0.2356,
0.3005

45.7139, 0.2356,
0.3005

43.2215, 0.2265,
0.2947

48.5578, 0.2464,
0.3062

41.0483, 0.2194,
0.2888

51.7723, 0.2588,
0.3117

39.1641, 0.2141,
0.2829

55.3807, 0.2723,
0.3168

37.5270, 0.2107,
0.2771

59.4031, 0.2868,
0.3217

37.0688, 0.2098,
0.2754

63.8580, 0.3019,
0.3261

68.7627, 0.3173,
0.3302

74.1336, 0.3327,
0.3338

78.4048, 0.3420,
0.3372

80.2897, 0.3415,
0.3407

Harmonies

Analogous

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



45.7139, 0.2538, 0.3412



45.7139, 0.2356, 0.3005



45.7139, 0.2364, 0.2718

Triad

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



45.7139, 0.2356, 0.3005



45.7139, 0.3342, 0.2840



45.7139, 0.3696, 0.4028

Complementary

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



45.7139, 0.2356, 0.3005



26.6519, 0.4697, 0.3530

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.



45.7139, 0.3945, 0.3808



45.7139, 0.2356, 0.3005



45.7139, 0.3739, 0.3136

Square

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



45.7139, 0.2356, 0.3005



45.7139, 0.2907, 0.2647



45.7139, 0.3965, 0.3481



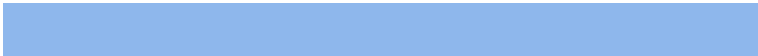
45.7139, 0.3302, 0.4044

Rectangle

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



45.7139, 0.2356, 0.3005



45.7139, 0.2473, 0.2619



45.7139, 0.3965, 0.3481



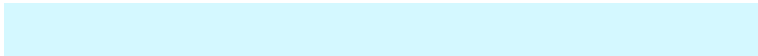
45.7139, 0.3800, 0.3972

Sweetspot

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



45.7156, 0.2356, 0.3005



88.2329, 0.2866, 0.3216



51.5112, 0.2954, 0.4863



18.6152, 0.2836, 0.3206



0.0000, 0.0000, 0.0000



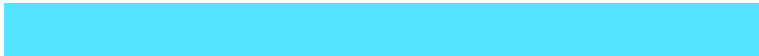
21.4041, 0.3127, 0.3290

Same Dimension

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



45.7156, 0.2356, 0.3005



63.6961, 0.2252, 0.2937



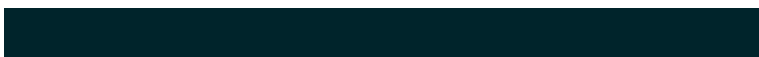
24.3650, 0.2159, 0.2091



13.7450, 0.2983, 0.3251



22.5292, 0.2101, 0.2762



1.4534, 0.2129, 0.2863

Inverse Universe

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



25.8397, 0.3413, 0.2136



32.7565, 0.3487, 0.1968



44.3105, 0.4221, 0.4223



12.5961, 0.3163, 0.3097



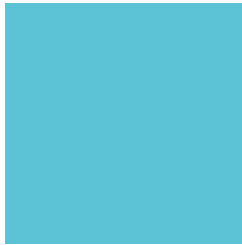
10.6192, 0.3670, 0.1795



0.6500, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 45.7139, 0.2356, 0.3005 looks on a white background.

Color Contrast Check

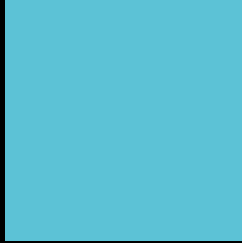
Large Text (above 18pt) WCAG AA × Fail

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 45.7139, 0.2356, 0.3005 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 45.7139, 0.2356, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 45.7139, 0.2356, 0.3005.

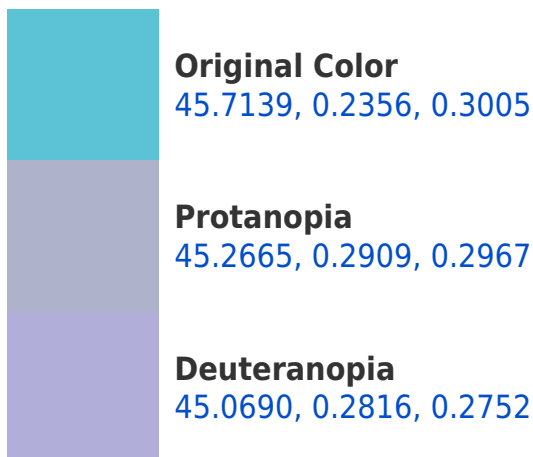


This preview shows how white text looks on a background with the Yxy color 45.7139, 0.2356, 0.3005.

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





Tritanopia

45.8570, 0.2371, 0.3074

Trichromacy



Original Color

45.7139, 0.2356, 0.3005

Protanomaly

44.8057, 0.2664, 0.2978

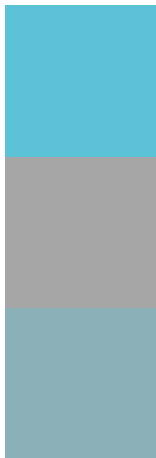
Deuteranomaly

44.5766, 0.2606, 0.2825

Tritanomaly

45.9575, 0.2370, 0.3060

Monochromacy



Original Color

45.7139, 0.2356, 0.3005

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.9585, 0.2770, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7139, 0.2356, 0.3005 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(92, 194, 214)` looks like.

```
.text, #text, p{  
    color:rgb(92, 194, 214)  
}
```

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(92, 194, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 194, 214) }
```

Border

The CSS property to change the border of an element to Yxy 45.7139, 0.2356, 0.3005 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(92, 194, 214) }
```

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

```
.border{ border-color:rgb(92, 194, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 194, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 194, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 194, 214);  
box-shadow:4px 4px 4px 4px rgb(92, 194,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7139, 0.2356, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 194, 214) }
```

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

```
.background{ background-color: rgb(92, 194,  
214) }
```

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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