

Converting Colors

$Y_{xy}(59.0238, 0.2456, 0.3197)$

Have a look what the booklet for
Yxy(59.0238, 0.2456, 0.3197)
contains.

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Color

Yxy(59.0238, 0.2456, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	70DAE1
RGB	112, 218, 225
RGB Percent	44%, 85%, 88%
CMY	0.5609, 0.1451, 0.1175
CMYK	0.50, 0.03, 0.00, 0.12
HSL	184°, 65%, 66%
HSV	184°, 50%, 88%
XYZ	45.3433, 59.0238, 80.2554
YIQ	187.1040, -65.4230, -20.2950

Conversions

Conversions Part 2

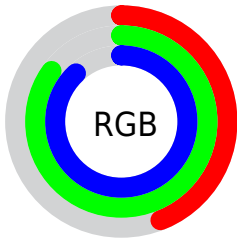
Format	Color
RYB	112, 167, 225
Decimal	7396065
CIELab	81.30, -28.73, -12.90
CIELCh	81, 31.492, 204.173
Yxy	59.0238, 0.2456, 0.3197
Android (android.graphics.Color)	4285586145 (0xFF70DAE1)
YUV	187.1040, 18.6827, -65.8662
Hunter-Lab	76.8269, -29.0964, -8.1570

Details

The Yxy color **59.0238, 0.2456, 0.3197** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.3719, 0.4509, 0.3375**, and the grayscale version is **49.6734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **29.7010, 0.2293, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **57.0086, 0.2366, 0.3176**, and if you desaturate by 10%, it is **61.4184, 0.2564, 0.3218**.

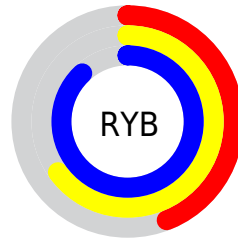
Distribution



Red (44%)

Green (85%)

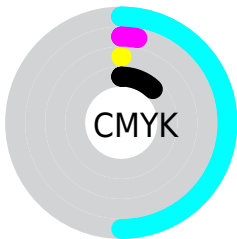
Blue (88%)



Red (44%)

Yellow (65%)

Blue (88%)

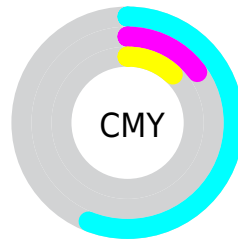


Cyan (50%)

Magenta (3%)

Yellow (0%)

Black (12%)



Cyan (56%)


Magenta (15%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0238, 0.2456, 0.3197 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 59.0238, 0.2456, 0.3197 by changing the saturation by 10% instead.

 59.0238, 0.2456,
0.3197


 59.0238, 0.2456,
0.3197


420.9901, 0.2771,
0.3250

 42.6323, 0.2384,
0.3182


 103.4123, 0.2566,
0.3217

 29.5967, 0.2294,
0.3163


 132.1780, 0.2608,
0.3225

 19.5327, 0.2180,
0.3136


 165.8372, 0.2645,
0.3231

 12.0558, 0.2031,
0.3097

204.7744, 0.2677,
0.3236

 6.7817, 0.1830,
0.3036

249.3739, 0.2704,
0.3240

 3.3260, 0.1544,
0.2932

300.0200, 0.2729,

 1.3042, 0.1032,

0.3244

0.2758

357.0973, 0.2751,
0.3247

0.1444, 0.0000,
0.1197

0.0000, 0.0000,
0.0000

59.0238, 0.2456,
0.3197

59.0238, 0.2456,
0.3197

57.0086, 0.2366,
0.3176

61.4184, 0.2564,
0.3218

55.3379, 0.2295,
0.3155


64.2107, 0.2687,
0.3237

53.9821, 0.2244,
0.3134

67.4260, 0.2823,
0.3256

52.9029, 0.2211,
0.3113

71.0854, 0.2970,
0.3274

 52.0522, 0.2192,
0.3093

 75.2086, 0.3123,
0.3290

 79.8142, 0.3281,
0.3304

 82.0680, 0.3336,
0.3318

 82.8391, 0.3335,
0.3332

 83.6164, 0.3333,
0.3346

Harmonies

Analogous

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



59.0238, 0.2708, 0.3596



59.0238, 0.2456, 0.3197



59.0238, 0.2376, 0.2860

Triad

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



59.0238, 0.2456, 0.3197



59.0238, 0.3132, 0.2760



59.0238, 0.3801, 0.3909

Complementary

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



59.0238, 0.2456, 0.3197



30.3719, 0.4509, 0.3375

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.



59.0238, 0.3940, 0.3643



59.0238, 0.2456, 0.3197



59.0238, 0.3541, 0.3001

Square

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



59.0238, 0.2456, 0.3197



59.0238, 0.2746, 0.2638



59.0238, 0.3844, 0.3316



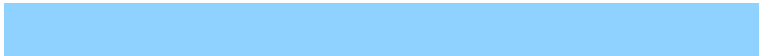
59.0238, 0.3482, 0.4024

Rectangle

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



59.0238, 0.2456, 0.3197



59.0238, 0.2424, 0.2714



59.0238, 0.3844, 0.3316



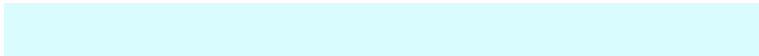
59.0238, 0.3871, 0.3833

Sweetspot

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



59.0261, 0.2456, 0.3197



91.9472, 0.2898, 0.3265



58.6066, 0.3025, 0.4810



19.4623, 0.2867, 0.3261



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.



59.0261, 0.2456, 0.3197



75.6515, 0.2365, 0.3176



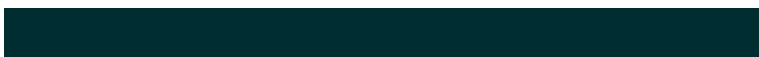
35.0193, 0.2306, 0.2422



15.4189, 0.2982, 0.3275



30.0512, 0.2193, 0.3096



2.1277, 0.2202, 0.3128

Inverse Universe

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



32.6552, 0.3253, 0.2146



37.3858, 0.3281, 0.1961



47.5111, 0.4145, 0.4007



13.9202, 0.3147, 0.3073



11.9417, 0.3371, 0.1630



0.8323, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 59.0238, 0.2456, 0.3197 looks on a white background.

Color Contrast Check

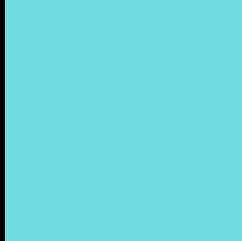
Large Text (above 18pt) WCAG AA × Fail

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 59.0238, 0.2456, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

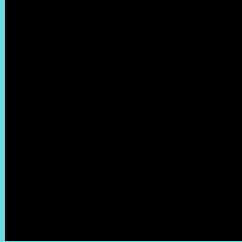
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0238, 0.2456, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 59.0238, 0.2456, 0.3197.

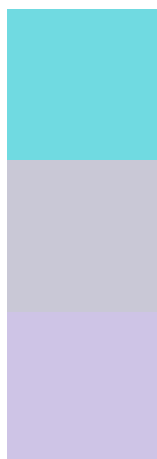


This preview shows how white text looks on a background with the Yxy color 59.0238, 0.2456, 0.3197.

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

59.0238, 0.2456, 0.3197

Protanopia

58.5811, 0.3035, 0.3126

Deuteranopia

58.3148, 0.2962, 0.2904



Tritanopia

59.2111, 0.2425, 0.3072

Trichromacy



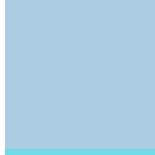
Original Color

59.0238, 0.2456, 0.3197



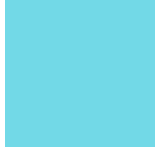
Protanomaly

58.1226, 0.2785, 0.3154



Deuteranomaly

57.5578, 0.2741, 0.2999



Tritanomaly

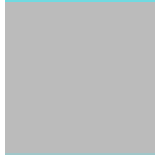
58.9726, 0.2434, 0.3109

Monochromacy



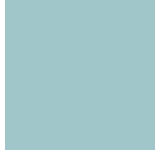
Original Color

59.0238, 0.2456, 0.3197



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.0788, 0.2823, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0238, 0.2456, 0.3197 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(112, 218, 225)` looks like.

```
.text, #text, p{  
    color:rgb(112, 218, 225)  
}
```

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(112, 218, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 218, 225) }
```

Border

The CSS property to change the border of an element to Yxy 59.0238, 0.2456, 0.3197 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(112, 218, 225) }
```

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

```
.border{ border-color:rgb(112, 218, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 218, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 218, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 218, 225); box-shadow:4px 4px 4px 4px rgb(112, 218, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0238, 0.2456, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 218, 225) }
```

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

```
.background{ background-color: rgb(112,  
218, 225) }
```

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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