

Converting Colors

$Yxy(60.1683, 0.2256, 0.3003)$

Have a look what the booklet for
Yxy(60.1683, 0.2256, 0.3003)
contains.

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Color

Yxy(60.1907, 0.2258, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	49DEF4
RGB	73, 222, 244
RGB Percent	29%, 87%, 96%
CMY	0.7127, 0.1295, 0.0431
CMYK	0.70, 0.09, 0.00, 0.04
HSL	188°, 89%, 62%
HSV	188°, 70%, 96%
XYZ	45.2131, 60.1907, 94.8314
YIQ	179.9570, -95.8660, -24.7460

Conversions

Conversions Part 2

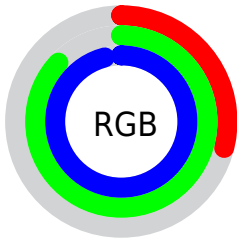
Format	Color
R _Y B	73, 153, 244
Decimal	4841204
CIE Lab	81.94, -31.85, -22.13
CIE LCh	82, 38.785, 214.795
Yxy	60.1907, 0.2258, 0.3006
Android (android.graphics.Color)	4283031284 (0xFF49DEF4)
YUV	179.9570, 31.5732, -93.8013
Hunter-Lab	77.5827, -31.7446, -18.1639

Details

The Yxy color **60.1907, 0.2258, 0.3006** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **27.9551, 0.5324, 0.3490**, and the grayscale version is **45.5217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **30.9033, 0.2144, 0.2916** is the 20% darker color. If you saturate the color by 10%, you get **57.7594, 0.2198, 0.2960**, and if you desaturate by 10%, it is **63.0317, 0.2338, 0.3052**.

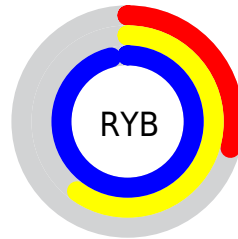
Distribution



Red (29%)

Green (87%)

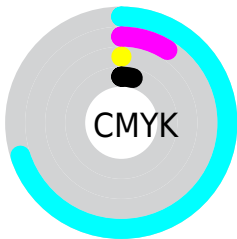
Blue (96%)



Red (29%)

Yellow (60%)

Blue (96%)

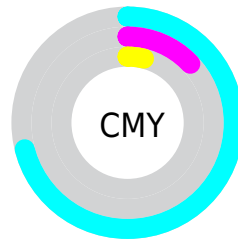


Cyan (70%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (71%)


Magenta (13%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1907, 0.2258, 0.3006 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 60.1907, 0.2258, 0.3006 by changing the saturation by 10% instead.


 60.1907, 0.2258,
0.3006


 60.1907, 0.2258,
0.3006


425.3003, 0.2658,
0.3154


 43.5724, 0.2168,
0.2968


 105.1063, 0.2396,
0.3061

 30.3345, 0.2058,
0.2920


 134.1723, 0.2450,
0.3081

 20.0926, 0.1921,
0.2855


 168.1563, 0.2496,
0.3098

 12.4624, 0.1746,
0.2766

 207.4427, 0.2537,
0.3113

 7.0594, 0.1516,
0.2636

252.4159, 0.2573,
0.3125

 3.4993, 0.1209,
0.2435

303.4603, 0.2604,

 1.3976, 0.0725,

0.3136

0.2115

360.9603, 0.2633,
0.3146

0.2150, 0.0000,
0.0956

0.0000, 0.0000,
0.0000

60.1907, 0.2258,
0.3006

60.1907, 0.2258,
0.3006

57.7594, 0.2198,
0.2960

63.0317, 0.2338,
0.3052

55.6844, 0.2156,
0.2915


66.3149, 0.2437,
0.3097


53.8905, 0.2131,
0.2870


70.0769, 0.2553,
0.3140


53.8868, 0.2131,
0.2870


74.3483, 0.2682,
0.3182

 79.1572, 0.2824,
0.3221

 84.5295, 0.2973,
0.3257

 90.4894, 0.3127,
0.3290

 94.4158, 0.3196,
0.3321

 96.3591, 0.3194,
0.3351

Harmonies

Analogous

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



60.1907, 0.2487, 0.3490



60.1907, 0.2258, 0.3006



60.1907, 0.2242, 0.2658

Triad

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



60.1907, 0.2258, 0.3006



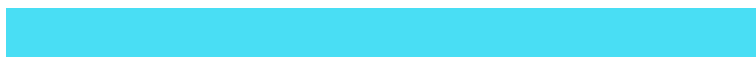
60.1907, 0.3310, 0.2741



60.1907, 0.3825, 0.4119

Complementary

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



60.1907, 0.2258, 0.3006



27.9551, 0.5324, 0.3490

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.



60.1907, 0.4090, 0.3835



60.1907, 0.2258, 0.3006



60.1907, 0.3788, 0.3064

Square

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



60.1907, 0.2258, 0.3006



60.1907, 0.2815, 0.2540



60.1907, 0.4081, 0.3452



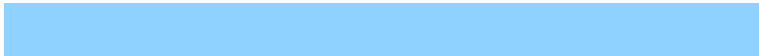
60.1907, 0.3383, 0.4184

Rectangle

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



60.1907, 0.2258, 0.3006



60.1907, 0.2348, 0.2534



60.1907, 0.4081, 0.3452



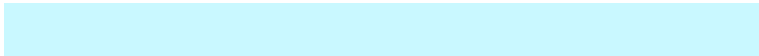
60.1907, 0.3939, 0.4042

Sweetspot

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



60.1929, 0.2258, 0.3006



86.8913, 0.2808, 0.3217



66.9285, 0.2959, 0.5337



18.2743, 0.2768, 0.3206



0.0000, 0.0000, 0.0000



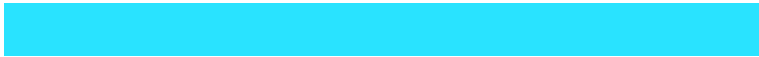
21.4041, 0.3127, 0.3290

Same Dimension

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



60.1929, 0.2258, 0.3006



62.8269, 0.2178, 0.2941



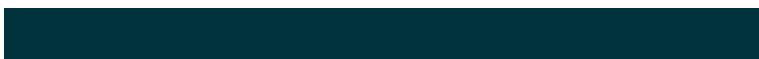
26.3407, 0.1967, 0.1831



18.3716, 0.2981, 0.3259



29.4403, 0.2133, 0.2877



2.6872, 0.2148, 0.2934

Inverse Universe

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



29.3070, 0.3431, 0.1901



28.3985, 0.3500, 0.1777



51.7818, 0.4554, 0.4322



16.7293, 0.3158, 0.3086



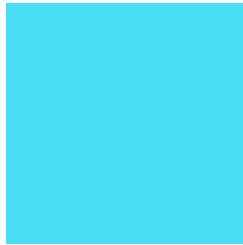
13.0714, 0.3564, 0.1737



1.1589, 0.3513, 0.1709

Previews

White Background



This preview shows how the Yxy color 60.1907, 0.2258, 0.3006 looks on a white background.

Color Contrast Check

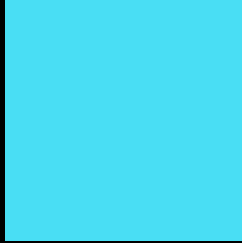
Large Text (above 18pt) WCAG AA × Fail

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 60.1907, 0.2258, 0.3006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

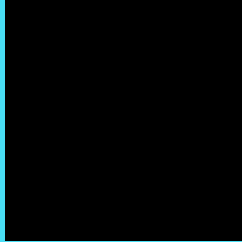
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1907, 0.2258, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 60.1907, 0.2258, 0.3006.

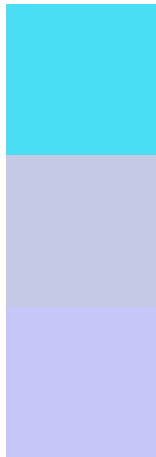


This preview shows how white text looks on a background with the Yxy color 60.1907, 0.2258, 0.3006.

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

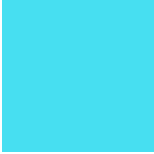
60.1907, 0.2258, 0.3006

Protanopia

59.3568, 0.2898, 0.2956

Deuteranopia

59.2335, 0.2783, 0.2721



Tritanopia

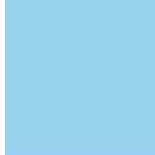
60.4658, 0.2267, 0.3056

Trichromacy



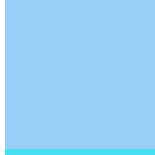
Original Color

60.1907, 0.2258, 0.3006



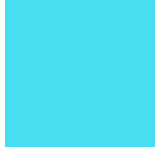
Protanomaly

58.2745, 0.2587, 0.2970



Deuteranomaly

58.1134, 0.2526, 0.2810



Tritanomaly

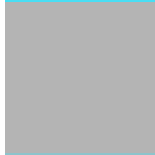
60.5639, 0.2266, 0.3044

Monochromacy



Original Color

60.1907, 0.2258, 0.3006



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.0047, 0.2679, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1907, 0.2258, 0.3006 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(73, 222, 244)` looks like.

```
.text, #text, p{  
  color:rgb(73, 222, 244)  
}
```

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(73, 222, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 222, 244) }
```

Border

The CSS property to change the border of an element to Yxy 60.1907, 0.2258, 0.3006 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(73, 222, 244) }
```

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

```
.border{ border-color:rgb(73, 222, 244) }
```

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

Here you see how a box with a 4 pixel rgb(73, 222, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 222, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 222, 244);  
box-shadow:4px 4px 4px 4px rgb(73, 222,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1907, 0.2258, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 222, 244) }
```

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

```
.background{ background-color: rgb(73, 222,  
244) }
```

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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