

Converting Colors

$Y_{xy}(58.4879, 0.2260, 0.2912)$

Have a look what the booklet for
Yxy(58.4879, 0.2260, 0.2912)
contains.

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Color

Yxy(58.7430, 0.2262, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	54DAF7
RGB	84, 218, 247
RGB Percent	33%, 85%, 97%
CMY	0.6711, 0.1450, 0.0314
CMYK	0.66, 0.12, 0.00, 0.03
HSL	191°, 91%, 65%
HSV	191°, 66%, 97%
XYZ	45.5057, 58.7430, 96.9260
YIQ	181.2400, -89.1730, -19.3890

Conversions

Conversions Part 2

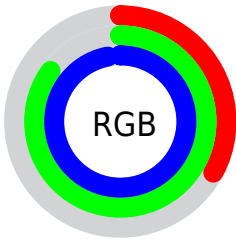
Format	Color
R_{YB}	84, 158, 247
Decimal	5561079
CIE _{Lab}	81.15, -27.60, -24.89
CIE _{LCh}	81, 37.166, 222.050
Yxy	58.7430, 0.2262, 0.2920
Android (android.graphics.Color)	4283751159 (0xFF54DAF7)
YUV	181.2400, 32.4197, -85.2795
Hunter-Lab	76.6440, -28.1465, -21.3289

Details

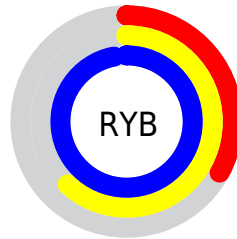
The Yxy color **58.7430, 0.2262, 0.2920** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **32.1870, 0.5083, 0.3569**, and the grayscale version is **46.1858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **29.9560, 0.2116, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **55.5557, 0.2187, 0.2855**, and if you desaturate by 10%, it is **62.3962, 0.2356, 0.2984**.

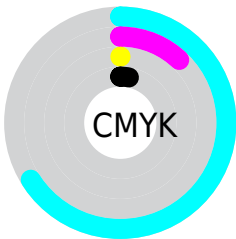
Distribution



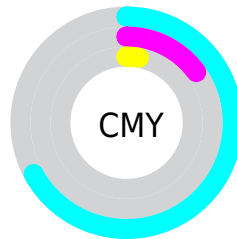
- Red (33%)
- Green (85%)
- Blue (97%)



- Red (33%)
- Yellow (62%)
- Blue (97%)



- Cyan (66%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (67%)
- Magenta (15%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7430, 0.2262, 0.2920 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 58.7430, 0.2262, 0.2920 by changing the saturation by 10% instead.


 58.7430, 0.2262,
0.2920

 58.7430, 0.2262,
0.2920


419.9488, 0.2662,
0.3108

 42.4063, 0.2172,
0.2873


 103.0040, 0.2400,
0.2989


 29.4195, 0.2062,
0.2813


 131.6972, 0.2454,
0.3014

 19.3984, 0.1924,
0.2735

 165.2778, 0.2500,
0.3036

 11.9585, 0.1749,
0.2628

 204.1305, 0.2541,
0.3055

 6.7154, 0.1518,
0.2475

248.6396, 0.2576,
0.3071

 3.2848, 0.1210,
0.2245

299.1894, 0.2608,

 1.2822, 0.0735,

0.3085

0.1886

356.1643, 0.2636,
0.3097

■ 0.1273, 0.0000,
0.0547

■ 0.0000, 0.0000,
0.0000

■ 58.7430, 0.2262,
0.2920

■ 58.7430, 0.2262,
0.2920

■ 55.5557, 0.2187,
0.2855

■ 62.3962, 0.2356,
0.2984

■ 52.7828, 0.2132,
0.2790


■ 66.5473, 0.2468,
0.3046

■ 50.3711, 0.2095,
0.2726


■ 71.2325, 0.2595,
0.3106


■ 49.4823, 0.2084,
0.2701

■ 76.4825, 0.2733,
0.3162

 82.3256, 0.2881,
0.3215

 88.7879, 0.3033,
0.3263

 95.5570, 0.3177,
0.3307

 98.2969, 0.3175,
0.3349

 99.4947, 0.3174,
0.3367

Harmonies

Analogous

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



58.7430, 0.2436, 0.3366



58.7430, 0.2262, 0.2920



58.7430, 0.2296, 0.2626

Triad

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



58.7430, 0.2262, 0.2920



58.7430, 0.3424, 0.2825



58.7430, 0.3711, 0.4130

Complementary

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



58.7430, 0.2262, 0.2920



32.1870, 0.5083, 0.3569

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.



58.7430, 0.4018, 0.3898



58.7430, 0.2262, 0.2920



58.7430, 0.3856, 0.3160

Square

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



58.7430, 0.2262, 0.2920



58.7430, 0.2935, 0.2597



58.7430, 0.4077, 0.3542



58.7430, 0.3261, 0.4123

Rectangle

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



58.7430, 0.2262, 0.2920



58.7430, 0.2432, 0.2535



58.7430, 0.4077, 0.3542



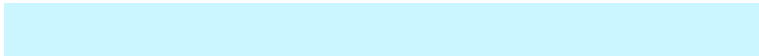
58.7430, 0.3835, 0.4074

Sweetspot

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



58.7452, 0.2262, 0.2920



85.9331, 0.2821, 0.3194



69.5431, 0.2931, 0.5125



18.0162, 0.2780, 0.3180



0.0000, 0.0000, 0.0000



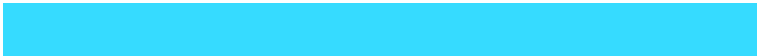
21.4041, 0.3127, 0.3290

Same Dimension

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



58.7452, 0.2262, 0.2920



58.7685, 0.2168, 0.2835



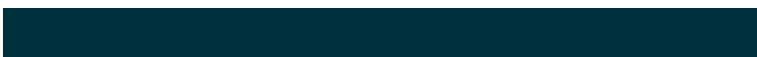
26.8419, 0.1997, 0.1814



18.2277, 0.2980, 0.3247



26.3619, 0.2087, 0.2712



2.4451, 0.2109, 0.2792

Inverse Universe

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



31.1565, 0.3499, 0.2012



28.9826, 0.3590, 0.1880



58.3817, 0.4403, 0.4362



16.7148, 0.3165, 0.3098



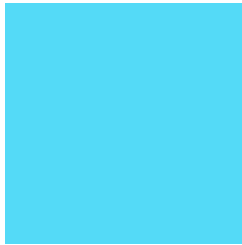
12.7606, 0.3717, 0.1821



1.1345, 0.3642, 0.1780

Previews

White Background



This preview shows how the Yxy color 58.7430, 0.2262, 0.2920 looks on a white background.

Color Contrast Check

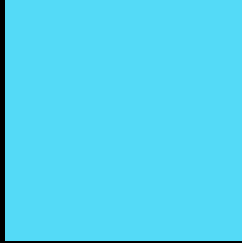
Large Text (above 18pt) WCAG AA × Fail

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 58.7430, 0.2262, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

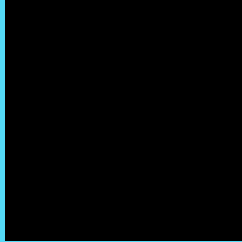
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7430, 0.2262, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 58.7430, 0.2262, 0.2920.

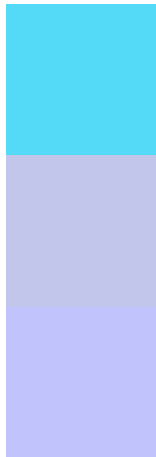


This preview shows how white text looks on a background with the Yxy color 58.7430, 0.2262, 0.2920.

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

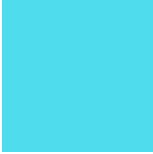
58.7430, 0.2262, 0.2920

Protanopia

57.6661, 0.2842, 0.2874

Deuteranopia

57.8456, 0.2729, 0.2662



Tritanopia

58.9631, 0.2294, 0.3067

Trichromacy



Original Color

58.7430, 0.2262, 0.2920



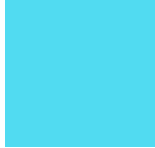
Protanomaly

56.6669, 0.2564, 0.2874



Deuteranomaly

56.8602, 0.2505, 0.2740



Tritanomaly

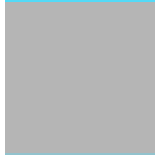
58.7632, 0.2281, 0.3005

Monochromacy



Original Color

58.7430, 0.2262, 0.2920



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.1023, 0.2698, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7430, 0.2262, 0.2920 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(84, 218, 247)` looks like.

```
.text, #text, p{  
    color:rgb(84, 218, 247)  
}
```

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(84, 218, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 218, 247) }
```

Border

The CSS property to change the border of an element to Yxy 58.7430, 0.2262, 0.2920 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(84, 218, 247) }
```

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

```
.border{ border-color:rgb(84, 218, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 218, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 218, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 218, 247);  
box-shadow:4px 4px 4px 4px rgb(84, 218,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7430, 0.2262, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 218, 247) }
```

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

```
.background{ background-color: rgb(84, 218,  
247) }
```

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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