

Converting Colors

$Yxy(53.4642, 0.2244, 0.2584)$

Have a look what the booklet for
Yxy(53.4642, 0.2244, 0.2584)
contains.

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Color

Yxy(53.1200, 0.2266, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	6CCBFF
RGB	108, 203, 255
RGB Percent	42%, 80%, 100%
CMY	0.5769, 0.2038, 0.0001
CMYK	0.58, 0.20, 0.00, 0.00
HSL	201°, 100%, 71%
HSV	201°, 58%, 100%
XYZ	45.5774, 53.1200, 102.4385
YIQ	180.5230, -73.3120, -3.9680

Conversions

Conversions Part 2

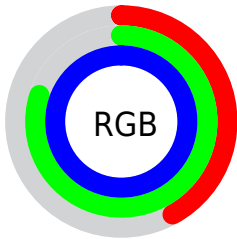
Format	Color
RYB	108, 166, 255
Decimal	7130111
CIELab	77.95, -13.58, -34.00
CIELCh	78, 36.610, 248.225
Yxy	53.1200, 0.2266, 0.2641
Android (android.graphics.Color)	4285320191 (0xFF6CCBFF)
YUV	180.5230, 36.7172, -63.6027
Hunter-Lab	72.8835, -15.9218, -32.3143

Details

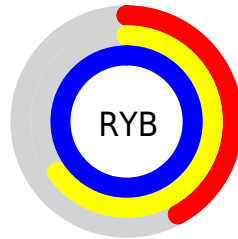
The Yxy color **53.1200, 0.2266, 0.2641** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.4279, 0.4546, 0.3817**, and the grayscale version is **45.7537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **25.9122, 0.2061, 0.2473** is the 20% darker color. If you saturate the color by 10%, you get **47.6199, 0.2149, 0.2505**, and if you desaturate by 10%, it is **59.3383, 0.2399, 0.2773**.

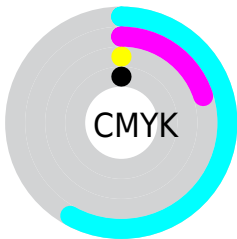
Distribution



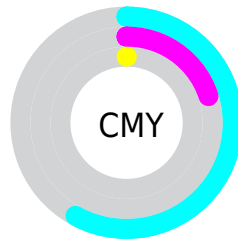
- Red (42%)
- Green (80%)
- Blue (100%)



- Red (42%)
- Yellow (65%)
- Blue (100%)



- Cyan (58%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1200, 0.2266, 0.2641 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 53.1200, 0.2266, 0.2641 by changing the saturation by 10% instead.

■ 53.1200, 0.2266,
0.2641

■ 53.1200, 0.2266,
0.2641

■ 398.7453, 0.2670,
0.2958

■ 37.8986, 0.2174,
0.2565

■ 94.7809, 0.2406,
0.2754

■ 25.9040, 0.2061,
0.2471

■ 121.9892, 0.2461,
0.2797

■ 16.7518, 0.1919,
0.2350

■ 153.9619, 0.2508,
0.2834

■ 10.0577, 0.1738,
0.2190

■ 191.0834, 0.2549,
0.2865

■ 5.4372, 0.1499,
0.1972

■ 233.7381, 0.2584,
0.2893

■ 2.5060, 0.1180,
0.1663

■ 282.3104, 0.2616,

■ 0.8796, 0.0702,

0.2918

0.1223

337.1847, 0.2644,
0.2939

0.0000, 0.0000,
0.0000

53.1200, 0.2266,
0.2641

53.1200, 0.2266,
0.2641

47.6199, 0.2149,
0.2505

59.3383, 0.2399,
0.2773

42.7860, 0.2051,
0.2367

66.3101, 0.2543,
0.2898

38.5663, 0.1975,
0.2230

74.0746, 0.2695,
0.3015

34.8909, 0.1919,
0.2096

82.6662, 0.2851,
0.3123

34.0943, 0.1907,
0.2065

92.1167, 0.3008,
0.3221

99.9985, 0.3127,
0.3290

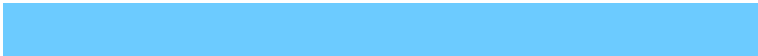
Harmonies

Analogous

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



53.1200, 0.2258, 0.2963



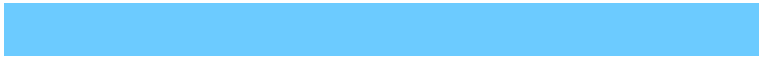
53.1200, 0.2266, 0.2641



53.1200, 0.2480, 0.2511

Triad

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



53.1200, 0.2266, 0.2641



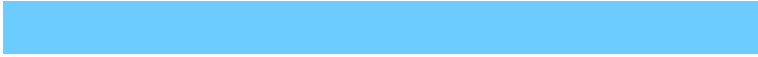
53.1200, 0.3822, 0.3110



53.1200, 0.3325, 0.4157

Complementary

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



53.1200, 0.2266, 0.2641



47.4279, 0.4546, 0.3817

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.



53.1200, 0.3772, 0.4126



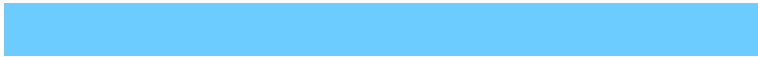
53.1200, 0.2266, 0.2641



53.1200, 0.4082, 0.3496

Square

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



53.1200, 0.2266, 0.2641



53.1200, 0.3366, 0.2780



53.1200, 0.4057, 0.3866



53.1200, 0.2845, 0.3894

Rectangle

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



53.1200, 0.2266, 0.2641



53.1200, 0.2725, 0.2528



53.1200, 0.4057, 0.3866



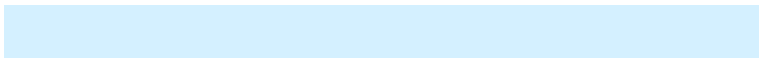
53.1200, 0.3484, 0.4179

Sweetspot

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



53.1219, 0.2266, 0.2641



83.3007, 0.2862, 0.3130



77.2036, 0.2824, 0.4521



17.4432, 0.2830, 0.3109



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.



53.1219, 0.2266, 0.2641



46.9554, 0.2135, 0.2487



26.3552, 0.2057, 0.1684



19.3382, 0.2980, 0.3204



18.1101, 0.1913, 0.2087



1.9691, 0.1956, 0.2240

Inverse Universe

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



36.2723, 0.3722, 0.2353



30.7025, 0.3893, 0.2228



80.5663, 0.4070, 0.4489



18.1850, 0.3192, 0.3137



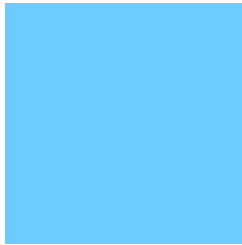
12.5562, 0.4355, 0.2173



1.2433, 0.4190, 0.2082

Previews

White Background



This preview shows how the Yxy color 53.1200, 0.2266, 0.2641 looks on a white background.

Color Contrast Check

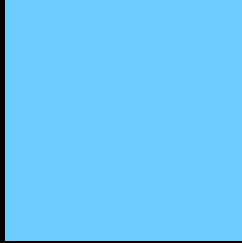
Large Text (above 18pt) WCAG AA × Fail

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 53.1200, 0.2266, 0.2641 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

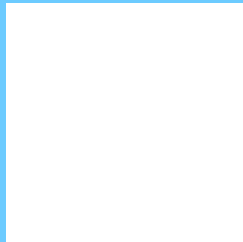
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1200, 0.2266, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 53.1200, 0.2266, 0.2641.

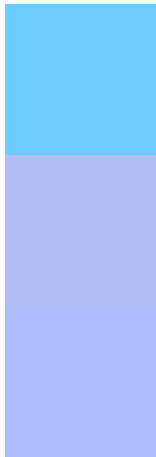


This preview shows how white text looks on a background with the Yxy color 53.1200, 0.2266, 0.2641.

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

53.1200, 0.2266, 0.2641

Protanopia

52.3349, 0.2656, 0.2632

Deuteranopia

52.6139, 0.2579, 0.2526



Tritanopia

53.0348, 0.2364, 0.3060

Trichromacy



Original Color

53.1200, 0.2266, 0.2641

Protanomaly

52.0985, 0.2485, 0.2624

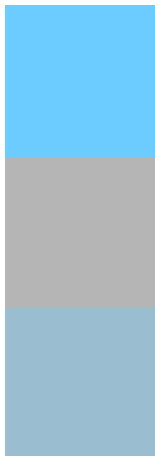
Deuteranomaly

52.2876, 0.2444, 0.2560

Tritanomaly

52.9081, 0.2324, 0.2896

Monochromacy



Original Color

53.1200, 0.2266, 0.2641

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.8193, 0.2727, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1200, 0.2266, 0.2641 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(108, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 203, 255)  
}
```

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(108, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.1200, 0.2266, 0.2641 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(108, 203, 255) }
```

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

```
.border{ border-color:rgb(108, 203, 255) }
```

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

Here you see how a box with a 4 pixel rgb(108, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1200, 0.2266, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 203, 255) }
```

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

```
.background{ background-color: rgb(108,  
203, 255) }
```

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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