

Converting Colors

$Yxy(54.2928, 0.2202, 0.2403)$

Have a look what the booklet for
Yxy(54.2928, 0.2202, 0.2403)
contains.

Yxy(52.6381, 0.2289, 0.2619)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.6381, 0.2289, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	73C9FF
RGB	115, 201, 255
RGB Percent	45%, 79%, 100%
CMY	0.5490, 0.2117, 0.0000
CMYK	0.55, 0.21, 0.00, 0.00
HSL	203°, 100%, 73%
HSV	203°, 55%, 100%
XYZ	46.0056, 52.6381, 102.3418
YIQ	181.4420, -68.5900, -1.4380

Conversions

Conversions Part 2

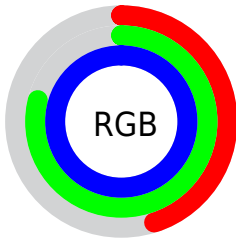
Format	Color
R _Y B	115, 168, 255
Decimal	7588351
CIE Lab	77.66, -11.13, -34.43
CIE LCh	78, 36.183, 252.083
Yxy	52.6381, 0.2289, 0.2619
Android (android.graphics.Color)	4285778431 (0xFF73C9FF)
YUV	181.4420, 36.2641, -58.2696
Hunter-Lab	72.5521, -13.7787, -32.8478

Details

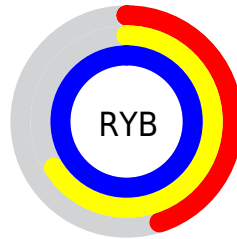
The Yxy color **52.6381, 0.2289, 0.2619** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.8701, 0.4422, 0.3844**, and the grayscale version is **46.2882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **25.5730, 0.2088, 0.2444** is the 20% darker color. If you saturate the color by 10%, you get **46.7043, 0.2163, 0.2470**, and if you desaturate by 10%, it is **59.3473, 0.2430, 0.2762**.

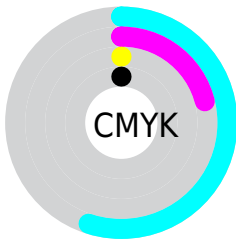
Distribution



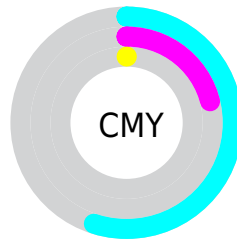
- Red (45%)
- Green (79%)
- Blue (100%)



- Red (45%)
- Yellow (66%)
- Blue (100%)



- Cyan (55%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6381, 0.2289, 0.2619 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 52.6381, 0.2289, 0.2619 by changing the saturation by 10% instead.

 52.6381, 0.2289,
0.2619

 52.6381, 0.2289,
0.2619


396.8951, 0.2683,
0.2946


 37.5139, 0.2199,
0.2542


 94.0716, 0.2426,
0.2735

 25.6057, 0.2088,
0.2445


 121.1498, 0.2479,
0.2779

 16.5289, 0.1949,
0.2321


 152.9814, 0.2525,
0.2817

 9.8992, 0.1770,
0.2159

189.9509, 0.2565,
0.2850

 5.3321, 0.1534,
0.1937

232.4426, 0.2600,
0.2878

 2.4434, 0.1216,
0.1626

280.8409, 0.2631,

 0.8481, 0.0745,

0.2903

0.1182

335.5303, 0.2659,
0.2926

0.0000, 0.0000,
0.0000

52.6381, 0.2289,
0.2619

52.6381, 0.2289,
0.2619

46.7043, 0.2163,
0.2470

59.3473, 0.2430,
0.2762

41.4943, 0.2054,
0.2319

66.8673, 0.2580,
0.2897

36.9571, 0.1967,
0.2168

75.2376, 0.2736,
0.3023

33.0289, 0.1901,
0.2021

84.4932, 0.2894,
0.3138

31.2172, 0.1874,
0.1947

94.6664, 0.3051,
0.3243

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



52.6381, 0.2254, 0.2916



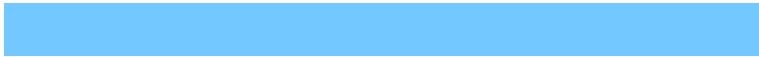
52.6381, 0.2289, 0.2619



52.6381, 0.2526, 0.2514

Triad

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



52.6381, 0.2289, 0.2619



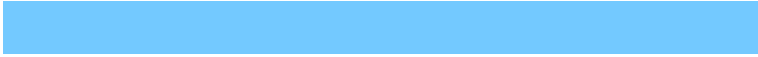
52.6381, 0.3863, 0.3159



52.6381, 0.3261, 0.4132

Complementary

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



52.6381, 0.2289, 0.2619



50.8701, 0.4422, 0.3844

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.



52.6381, 0.3716, 0.4138



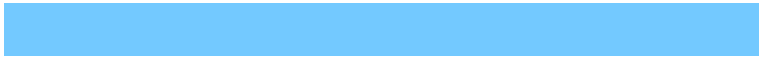
52.6381, 0.2289, 0.2619



52.6381, 0.4087, 0.3544

Square

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



52.6381, 0.2289, 0.2619



52.6381, 0.3427, 0.2821



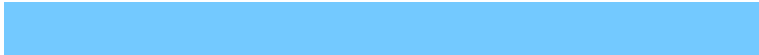
52.6381, 0.4026, 0.3904



52.6381, 0.2791, 0.3837

Rectangle

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



52.6381, 0.2289, 0.2619



52.6381, 0.2783, 0.2547



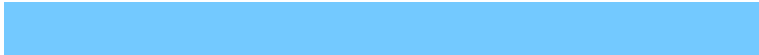
52.6381, 0.4026, 0.3904



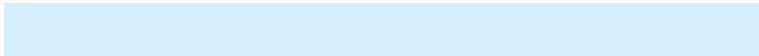
52.6381, 0.3421, 0.4167

Sweetspot

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



52.6400, 0.2289, 0.2619



83.4344, 0.2877, 0.3126



78.0163, 0.2810, 0.4389



17.4392, 0.2844, 0.3103



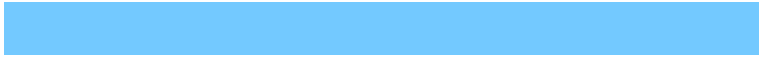
0.0000, 0.0000, 0.0000



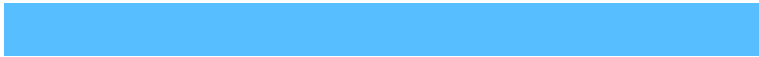
21.4041, 0.3127, 0.3290

Same Dimension

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



52.6400, 0.2289, 0.2619



46.0987, 0.2150, 0.2454



27.1858, 0.2099, 0.1714



19.2359, 0.2979, 0.3196



16.6100, 0.1881, 0.1971



1.8291, 0.1927, 0.2137

Inverse Universe

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



37.7377, 0.3733, 0.2432



31.7497, 0.3915, 0.2305



84.0351, 0.4003, 0.4479



18.1747, 0.3198, 0.3145



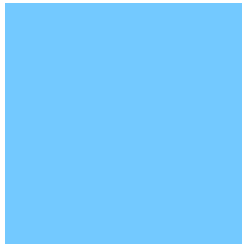
12.4047, 0.4486, 0.2245



1.2292, 0.4300, 0.2143

Previews

White Background



This preview shows how the Yxy color 52.6381, 0.2289, 0.2619 looks on a white background.

Color Contrast Check

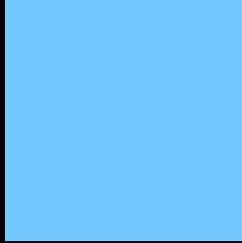
Large Text (above 18pt) WCAG AA × Fail

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 52.6381, 0.2289, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

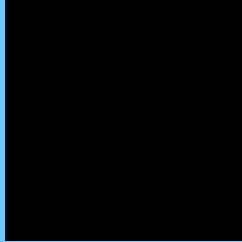
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

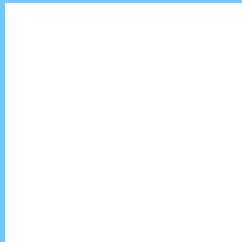
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.6381, 0.2289, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 52.6381, 0.2289, 0.2619.



This preview shows how white text looks on a background with the Yxy color 52.6381, 0.2289, 0.2619.

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

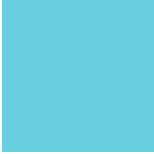
52.6381, 0.2289, 0.2619

Protanopia

52.2791, 0.2643, 0.2620

Deuteranopia

52.0707, 0.2571, 0.2513



Tritanopia

52.8369, 0.2398, 0.3074

Trichromacy



Original Color

52.6381, 0.2289, 0.2619

Protanomaly

51.8495, 0.2495, 0.2614

Deuteranomaly

52.0353, 0.2453, 0.2549

Tritanomaly

52.7866, 0.2354, 0.2897

Monochromacy



Original Color

52.6381, 0.2289, 0.2619

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.6886, 0.2746, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6381, 0.2289, 0.2619 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(115, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 201, 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(115, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.6381, 0.2289, 0.2619 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(115, 201, 255) }
```

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

```
.border{ border-color:rgb(115, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6381, 0.2289, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 201, 255) }
```

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

```
.background{ background-color: rgb(115,  
201, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor