

Converting Colors

$Y_{xy}(52.8060, 0.2299, 0.2621)$

Have a look what the booklet for
Yxy(52.8060, 0.2299, 0.2621)
contains.

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Color

Yxy(52.7752, 0.2298, 0.2620)

Conversions

Conversions Part 1

Format	Color
Hex	75C9FF
RGB	117, 201, 255
RGB Percent	46%, 79%, 100%
CMY	0.5406, 0.2118, 0.0000
CMYK	0.54, 0.21, 0.00, 0.00
HSL	204°, 100%, 73%
HSV	204°, 54%, 100%
XYZ	46.2891, 52.7752, 102.3678
YIQ	182.0400, -67.3980, -1.0140

Conversions

Conversions Part 2

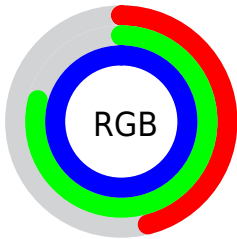
Format	Color
R _Y B	117, 169, 255
Decimal	7719423
CIE Lab	77.74, -10.68, -34.30
CIE LCh	78, 35.927, 252.712
Yxy	52.7752, 0.2298, 0.2620
Android (android.graphics.Color)	4285909503 (0xFF75C9FF)
YUV	182.0400, 35.9693, -57.0401
Hunter-Lab	72.6465, -13.3944, -32.6942

Details

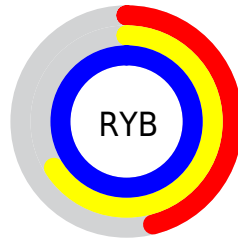
The Yxy color **52.7752, 0.2298, 0.2620** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.7382, 0.4389, 0.3845**, and the grayscale version is **46.6485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **25.6485, 0.2097, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **46.7331, 0.2169, 0.2469**, and if you desaturate by 10%, it is **59.6033, 0.2441, 0.2765**.

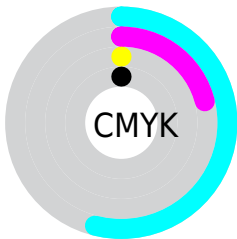
Distribution



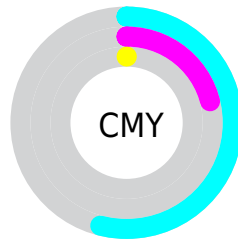
- Red (46%)
- Green (79%)
- Blue (100%)



- Red (46%)
- Yellow (66%)
- Blue (100%)



- Cyan (54%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7752, 0.2298, 0.2620 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 52.7752, 0.2298, 0.2620 by changing the saturation by 10% instead.


 52.7752, 0.2298,
0.2620

 52.7752, 0.2298,
0.2620

397.4221, 0.2688,
0.2946

 37.6233, 0.2209,
0.2543

 94.2735, 0.2434,
0.2735

 25.6905, 0.2099,
0.2447


 121.3887, 0.2486,
0.2780

 16.5922, 0.1961,
0.2324


 153.2605, 0.2532,
0.2817

 9.9442, 0.1783,
0.2162


190.2733, 0.2571,
0.2850

 5.3620, 0.1549,
0.1941

232.8115, 0.2606,
0.2879

 2.4612, 0.1233,
0.1631

281.2594, 0.2636,

 0.8571, 0.0769,

0.2904

0.1189

336.0014, 0.2664,
0.2926

0.0000, 0.0000,
0.0000

52.7752, 0.2298,
0.2620

52.7752, 0.2298,
0.2620

46.7331, 0.2169,
0.2469

59.6033, 0.2441,
0.2765

41.4286, 0.2058,
0.2315

67.2559, 0.2592,
0.2902

36.8104, 0.1968,
0.2162

75.7716, 0.2749,
0.3029

32.8153, 0.1900,
0.2012

85.1851, 0.2908,
0.3145

30.6863, 0.1868,
0.1925

95.5291, 0.3065,
0.3250

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.



52.7752, 0.2259, 0.2911



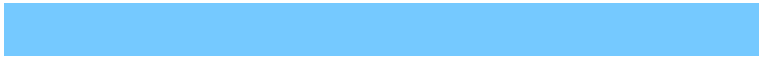
52.7752, 0.2298, 0.2620



52.7752, 0.2538, 0.2519

Triad

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



52.7752, 0.2298, 0.2620



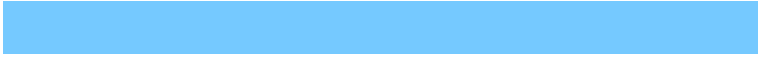
52.7752, 0.3864, 0.3168



52.7752, 0.3250, 0.4121

Complementary

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



52.7752, 0.2298, 0.2620



51.7382, 0.4389, 0.3845

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.



52.7752, 0.3703, 0.4134



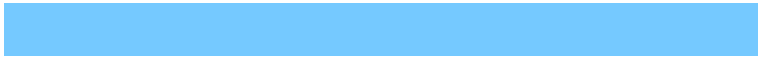
52.7752, 0.2298, 0.2620



52.7752, 0.4081, 0.3551

Square

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



52.7752, 0.2298, 0.2620



52.7752, 0.3435, 0.2831



52.7752, 0.4015, 0.3906



52.7752, 0.2785, 0.3824

Rectangle

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



52.7752, 0.2298, 0.2620



52.7752, 0.2795, 0.2554



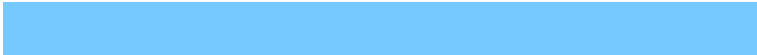
52.7752, 0.4015, 0.3906



52.7752, 0.3409, 0.4158

Sweetspot

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



52.7761, 0.2298, 0.2620



83.2859, 0.2877, 0.3124



78.2143, 0.2813, 0.4368



17.4037, 0.2844, 0.3100



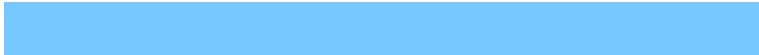
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



52.7761, 0.2298, 0.2620



46.2031, 0.2158, 0.2455



27.8512, 0.2116, 0.1742



19.2163, 0.2979, 0.3195



16.3334, 0.1875, 0.1949



1.8032, 0.1922, 0.2118

Inverse Universe

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



38.2337, 0.3729, 0.2452



32.1662, 0.3911, 0.2324



84.2326, 0.3991, 0.4464



18.1727, 0.3199, 0.3146



12.3768, 0.4511, 0.2259



1.2266, 0.4322, 0.2154

Previews

White Background



This preview shows how the Yxy color 52.7752, 0.2298, 0.2620 looks on a white background.

Color Contrast Check

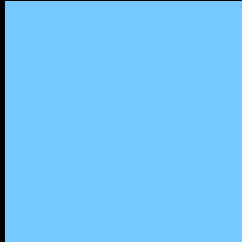
Large Text (above 18pt) WCAG AA × Fail

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 52.7752, 0.2298, 0.2620 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

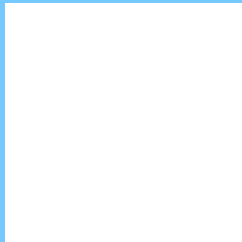
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7752, 0.2298, 0.2620

Background



This preview shows how black text looks on a background with the Yxy color 52.7752, 0.2298, 0.2620.



This preview shows how white text looks on a background with the Yxy color 52.7752, 0.2298, 0.2620.

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

52.7752, 0.2298, 0.2620

Protanopia

52.2791, 0.2643, 0.2620

Deuteranopia

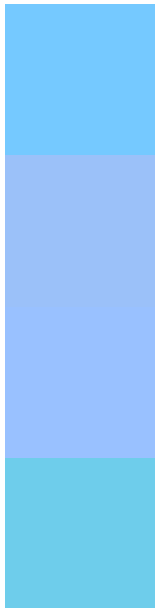
52.4994, 0.2572, 0.2525



Tritanopia

53.0175, 0.2411, 0.3074

Trichromacy



Original Color

52.7752, 0.2298, 0.2620

Protanomaly

51.9480, 0.2501, 0.2615

Deuteranomaly

52.1322, 0.2459, 0.2550

Tritanomaly

52.9758, 0.2367, 0.2898

Monochromacy



Original Color

52.7752, 0.2298, 0.2620

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.2677, 0.2748, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7752, 0.2298, 0.2620 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(117, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.7752, 0.2298, 0.2620 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(117, 201, 255) }
```

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

```
.border{ border-color:rgb(117, 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(117, 201, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7752, 0.2298, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 201, 255) }
```

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

```
.background{ background-color: rgb(117,  
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](#).

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