

Converting Colors

Yxy(56.6813, 0.2299, 0.2668)

Have a look what the booklet for
Yxy(56.6813, 0.2299, 0.2668)
contains.

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Color

Yxy(56.6028, 0.2319, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	75D1FF
RGB	117, 209, 255
RGB Percent	46%, 82%, 100%
CMY	0.5412, 0.1804, 0.0000
CMYK	0.54, 0.18, 0.00, 0.00
HSL	200°, 100%, 73%
HSV	200°, 54%, 100%
XYZ	48.1872, 56.6028, 103.0030
YIQ	186.7360, -69.5980, -5.1980

Conversions

Conversions Part 2

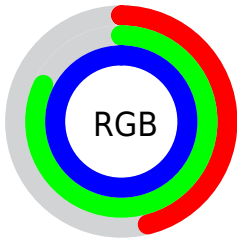
Format	Color
R _Y B	117, 172, 255
Decimal	7721471
CIE Lab	79.96, -14.91, -30.89
CIE LCh	80, 34.303, 244.232
Yxy	56.6028, 0.2319, 0.2724
Android (android.graphics.Color)	4285911551 (0xFF75D1FF)
YUV	186.7360, 33.6542, -61.1585
Hunter-Lab	75.2348, -17.3334, -28.5087

Details

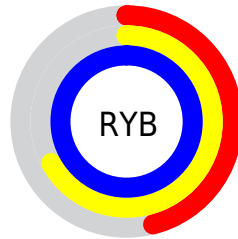
The Yxy color **56.6028, 0.2319, 0.2724** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.7371, 0.4444, 0.3764**, and the grayscale version is **49.3742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **28.2237, 0.2133, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **51.0117, 0.2199, 0.2598**, and if you desaturate by 10%, it is **62.8999, 0.2454, 0.2846**.

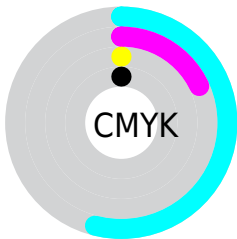
Distribution



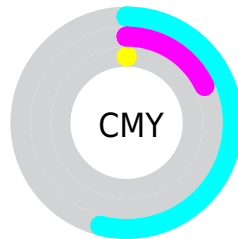
- Red (46%)
- Green (82%)
- Blue (100%)



- Red (46%)
- Yellow (67%)
- Blue (100%)



- Cyan (54%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6028, 0.2319, 0.2724 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 56.6028, 0.2319, 0.2724 by changing the saturation by 10% instead.


 56.6028, 0.2319,
0.2724


 56.6028, 0.2319,
0.2724


411.9593, 0.2695,
0.3000


 40.6864, 0.2234,
0.2658

 99.8854, 0.2449,
0.2822

 28.0741, 0.2129,
0.2576


 128.0204, 0.2500,
0.2860

 18.3816, 0.1998,
0.2471


 160.9971, 0.2544,
0.2892

 11.2243, 0.1829,
0.2331

199.1998, 0.2582,
0.2919

 6.2179, 0.1608,
0.2139

243.0130, 0.2615,
0.2943

 2.9780, 0.1308,
0.1864

292.8210, 0.2645,

 1.1203, 0.0888,

0.2965

0.1456

349.0083, 0.2672,
0.2983

0.0000, 0.0000,
0.0000

56.6028, 0.2319,
0.2724

56.6028, 0.2319,
0.2724

51.0117, 0.2199,
0.2598

62.8999, 0.2454,
0.2846

46.0792, 0.2097,
0.2469

69.9382, 0.2599,
0.2961

41.7567, 0.2016,
0.2339

77.7543, 0.2752,
0.3068

37.9835, 0.1955,
0.2212

86.3812, 0.2907,
0.3167

35.9718, 0.1927,
0.2138

95.8493, 0.3063,
0.3256

100.0000, 0.3127,
0.3290

Harmonies

Analogous

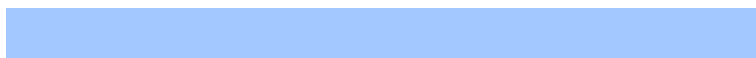
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.6028, 0.2339, 0.3045



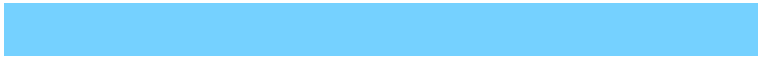
56.6028, 0.2319, 0.2724



56.6028, 0.2494, 0.2576

Triad

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



56.6028, 0.2319, 0.2724



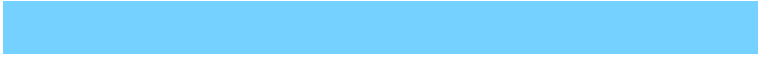
56.6028, 0.3716, 0.3081



56.6028, 0.3371, 0.4093

Complementary

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



56.6028, 0.2319, 0.2724



48.7371, 0.4444, 0.3764

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.



56.6028, 0.3768, 0.4038



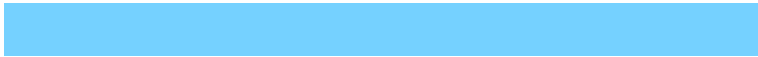
56.6028, 0.2319, 0.2724



56.6028, 0.3985, 0.3436

Square

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



56.6028, 0.2319, 0.2724



56.6028, 0.3286, 0.2785



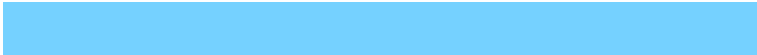
56.6028, 0.4000, 0.3784



56.6028, 0.2926, 0.3886

Rectangle

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



56.6028, 0.2319, 0.2724



56.6028, 0.2707, 0.2576



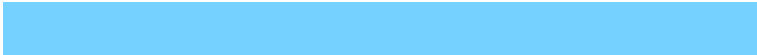
56.6028, 0.4000, 0.3784



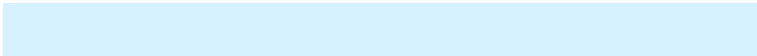
56.6028, 0.3515, 0.4103

Sweetspot

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



56.6041, 0.2319, 0.2724



84.6945, 0.2878, 0.3149



77.8644, 0.2855, 0.4491



17.7404, 0.2846, 0.3129



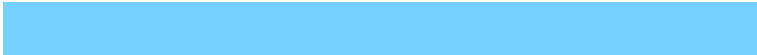
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



56.6041, 0.2319, 0.2724



50.5509, 0.2189, 0.2586



30.4368, 0.2138, 0.1854



19.4014, 0.2980, 0.3209



19.0820, 0.1933, 0.2159



2.0591, 0.1973, 0.2303

Inverse Universe

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



38.5858, 0.3641, 0.2377



32.6051, 0.3790, 0.2238



78.9709, 0.4040, 0.4390



18.1914, 0.3189, 0.3133



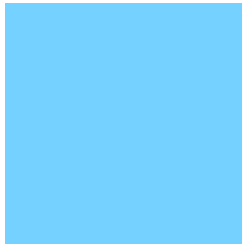
12.6543, 0.4277, 0.2130



1.2524, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 56.6028, 0.2319, 0.2724 looks on a white background.

Color Contrast Check

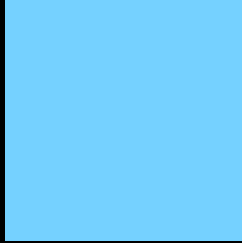
Large Text (above 18pt) WCAG AA × Fail

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 56.6028, 0.2319, 0.2724 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

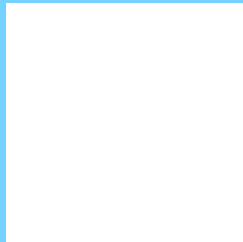
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6028, 0.2319, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 56.6028, 0.2319, 0.2724.



This preview shows how white text looks on a background with the Yxy color 56.6028, 0.2319, 0.2724.

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

56.6028, 0.2319, 0.2724

Protanopia

55.9371, 0.2716, 0.2713

Deuteranopia

55.9939, 0.2650, 0.2598



Tritanopia

56.5462, 0.2399, 0.3055

Trichromacy



Original Color

56.6028, 0.2319, 0.2724

Protanomaly

55.6217, 0.2543, 0.2707

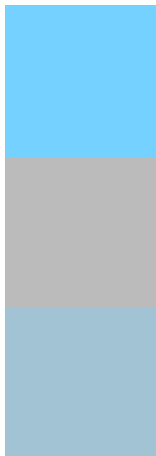
Deuteranomaly

55.5404, 0.2510, 0.2632

Tritanomaly

56.7577, 0.2368, 0.2932

Monochromacy



Original Color

56.6028, 0.2319, 0.2724

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.4651, 0.2763, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6028, 0.2319, 0.2724 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, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 209, 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, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.6028, 0.2319, 0.2724 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, 209, 255) }
```

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

```
.border{ border-color:rgb(117, 209, 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, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 209,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6028, 0.2319, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 209, 255) }
```

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

```
.background{ background-color: rgb(117,  
209, 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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