

Converting Colors

$Yxy(58.4590, 0.2226, 0.2469)$

Have a look what the booklet for
Yxy(58.4590, 0.2226, 0.2469)
contains.

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Color

Yxy(56.7429, 0.2327, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	77D1FF
RGB	119, 209, 255
RGB Percent	47%, 82%, 100%
CMY	0.5336, 0.1804, 0.0000
CMYK	0.53, 0.18, 0.00, 0.00
HSL	200°, 100%, 73%
HSV	200°, 53%, 100%
XYZ	48.4553, 56.7429, 103.0326
YIQ	187.3340, -68.4060, -4.7740

Conversions

Conversions Part 2

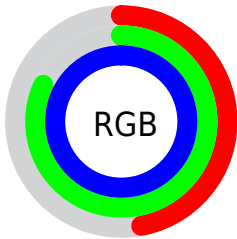
Format	Color
R_{YB}	119, 173, 255
Decimal	7852543
CIE _{Lab}	80.03, -14.52, -30.77
CIE _{LCh}	80, 34.026, 244.748
Y _{xy}	56.7429, 0.2327, 0.2725
Android (android.graphics.Color)	4286042623 (0xFF77D1FF)
YUV	187.3340, 33.3593, -59.9289
Hunter-Lab	75.3279, -17.0021, -28.3667

Details

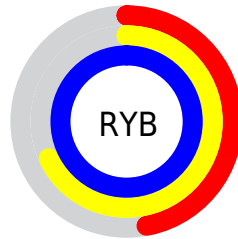
The Yxy color **56.7429, 0.2327, 0.2725** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.4753, 0.4414, 0.3765**, and the grayscale version is **49.7211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **28.3042, 0.2142, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **51.0593, 0.2205, 0.2597**, and if you desaturate by 10%, it is **63.1391, 0.2463, 0.2848**.

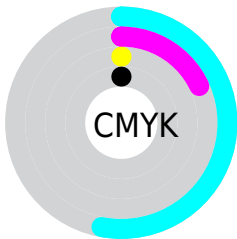
Distribution



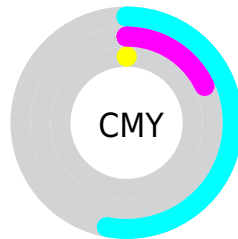
- Red (47%)
- Green (82%)
- Blue (100%)



- Red (47%)
- Yellow (68%)
- Blue (100%)



- Cyan (53%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7429, 0.2327, 0.2725 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 56.7429, 0.2327, 0.2725 by changing the saturation by 10% instead.


 56.7429, 0.2327,
0.2725

 56.7429, 0.2327,
0.2725


412.4852, 0.2700,
0.3000

 40.7989, 0.2242,
0.2660


 100.0899, 0.2456,
0.2823

 28.1620, 0.2139,
0.2578


 128.2617, 0.2506,
0.2860

 18.4478, 0.2009,
0.2473

 161.2783, 0.2550,
0.2892

 11.2719, 0.1842,
0.2334

199.5239, 0.2587,
0.2920

 6.2501, 0.1622,
0.2143

243.3830, 0.2621,
0.2944

 2.9977, 0.1324,
0.1870

293.2400, 0.2650,

 1.1305, 0.0908,

0.2965

0.1463

349.4793, 0.2676,
0.2984

0.0038, 0.0000,
0.0014

0.0000, 0.0000,
0.0000

56.7429, 0.2327,
0.2725

56.7429, 0.2327,
0.2725

51.0593, 0.2205,
0.2597

63.1391, 0.2463,
0.2848

46.0451, 0.2101,
0.2466

70.2868, 0.2610,
0.2965

41.6507, 0.2017,
0.2335

78.2213, 0.2763,
0.3073

37.8164, 0.1955,
0.2205

86.9754, 0.2919,
0.3172

■ 35.5237, 0.1923,
0.2121

■ 96.5797, 0.3075,
0.3262

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.



56.7429, 0.2343, 0.3041



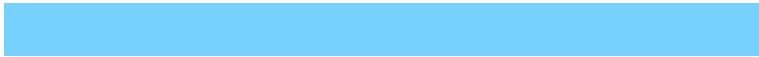
56.7429, 0.2327, 0.2725



56.7429, 0.2504, 0.2581

Triad

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



56.7429, 0.2327, 0.2725



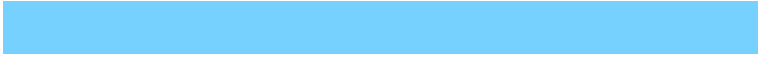
56.7429, 0.3718, 0.3088



56.7429, 0.3362, 0.4085

Complementary

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



56.7429, 0.2327, 0.2725



49.4753, 0.4414, 0.3765

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.



56.7429, 0.3757, 0.4034



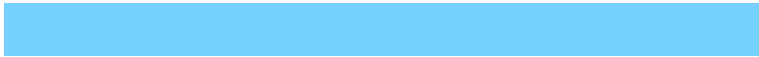
56.7429, 0.2327, 0.2725



56.7429, 0.3980, 0.3442

Square

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



56.7429, 0.2327, 0.2725



56.7429, 0.3293, 0.2794



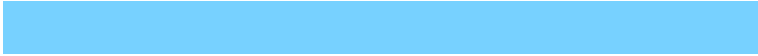
56.7429, 0.3990, 0.3786



56.7429, 0.2921, 0.3875

Rectangle

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



56.7429, 0.2327, 0.2725



56.7429, 0.2717, 0.2583



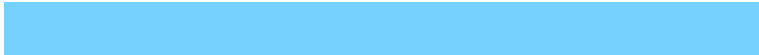
56.7429, 0.3990, 0.3786



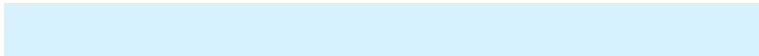
56.7429, 0.3505, 0.4096

Sweetspot

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



56.7429, 0.2327, 0.2725



84.5806, 0.2878, 0.3147



78.1285, 0.2847, 0.4441



17.7132, 0.2846, 0.3127



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.



56.7429, 0.2327, 0.2725



50.7175, 0.2198, 0.2589



30.3693, 0.2147, 0.1849



19.3865, 0.2980, 0.3208



18.8493, 0.1928, 0.2142



2.0376, 0.1969, 0.2288

Inverse Universe

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



39.0429, 0.3638, 0.2394



33.0421, 0.3785, 0.2255



80.4857, 0.4015, 0.4396



18.1899, 0.3190, 0.3134



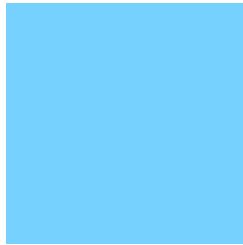
12.6308, 0.4295, 0.2140



1.2502, 0.4139, 0.2054

Previews

White Background



This preview shows how the Yxy color 56.7429, 0.2327, 0.2725 looks on a white background.

Color Contrast Check

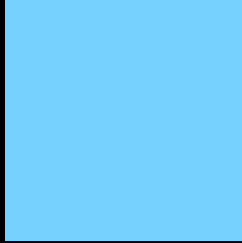
Large Text (above 18pt) WCAG AA × Fail

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 56.7429, 0.2327, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

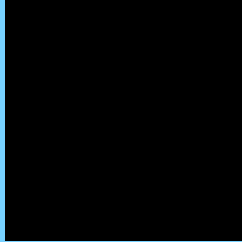
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

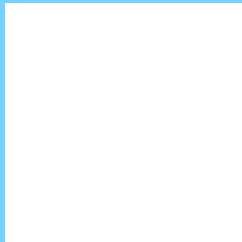
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7429, 0.2327, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 56.7429, 0.2327, 0.2725.



This preview shows how white text looks on a background with the Yxy color 56.7429, 0.2327, 0.2725.

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

56.7429, 0.2327, 0.2725

Protanopia

55.9371, 0.2716, 0.2713

Deuteranopia

56.1179, 0.2656, 0.2599



Tritanopia

56.6730, 0.2407, 0.3055

Trichromacy



Original Color

56.7429, 0.2327, 0.2725

Protanomaly

55.7252, 0.2549, 0.2708

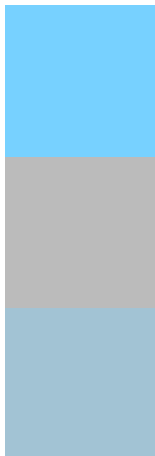
Deuteranomaly

55.6439, 0.2516, 0.2633

Tritanomaly

56.8889, 0.2376, 0.2933

Monochromacy



Original Color

56.7429, 0.2327, 0.2725

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 56.7429, 0.2327, 0.2725 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(119, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 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(119, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.7429, 0.2327, 0.2725 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(119, 209, 255) }
```

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

```
.border{ border-color:rgb(119, 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(119, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 209,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7429, 0.2327, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 209, 255) }
```

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

```
.background{ background-color: rgb(119,  
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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