

Converting Colors

$Yxy(56.5622, 0.2353, 0.2740)$

Have a look what the booklet for
Yxy(56.5622, 0.2353, 0.2740)
contains.

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Color

Yxy(56.4146, 0.2351, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	7BD0FD
RGB	123, 208, 253
RGB Percent	48%, 82%, 99%
CMY	0.5174, 0.1843, 0.0079
CMYK	0.51, 0.18, 0.00, 0.01
HSL	201°, 97%, 74%
HSV	201°, 51%, 99%
XYZ	48.4584, 56.4146, 101.2453
YIQ	187.7150, -65.1050, -4.0250

Conversions

Conversions Part 2

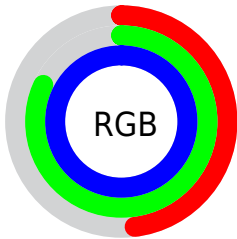
Format	Color
RYB	123, 174, 253
Decimal	8114429
CIELab	79.85, -13.71, -29.95
CIELCh	80, 32.940, 245.410
Yxy	56.4146, 0.2351, 0.2737
Android (android.graphics.Color)	4286304509 (0xFF7BD0FD)
YUV	187.7150, 32.1855, -56.7551
Hunter-Lab	75.1097, -16.2792, -27.3442

Details

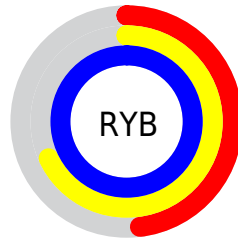
The Yxy color **56.4146, 0.2351, 0.2737** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.3376, 0.4340, 0.3761**, and the grayscale version is **49.9712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **28.0574, 0.2168, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **50.6301, 0.2225, 0.2606**, and if you desaturate by 10%, it is **62.9213, 0.2491, 0.2862**.

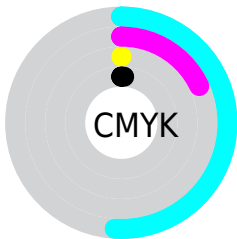
Distribution



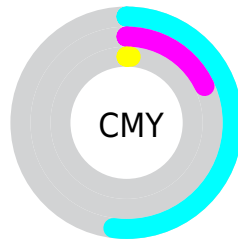
- Red (48%)
- Green (82%)
- Blue (99%)



- Red (48%)
- Yellow (68%)
- Blue (99%)



- Cyan (51%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)



- Cyan (52%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4146, 0.2351, 0.2737 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 56.4146, 0.2351, 0.2737 by changing the saturation by 10% instead.

■ 56.4146, 0.2351,
0.2737

■ 56.4146, 0.2351,
0.2737

■ 411.2521, 0.2713,
0.3007

■ 40.5354, 0.2268,
0.2673

■ 99.6105, 0.2477,
0.2833

■ 27.9563, 0.2167,
0.2592

■ 127.6960, 0.2526,
0.2869

■ 18.2927, 0.2039,
0.2489

■ 160.6191, 0.2568,
0.2901

■ 11.1603, 0.1875,
0.2352

■ 198.7642, 0.2605,
0.2928

■ 6.1748, 0.1658,
0.2164

■ 242.5156, 0.2637,
0.2951

■ 2.9516, 0.1362,
0.1893

■ 292.2578, 0.2665,

■ 1.1065, 0.0943,

0.2972

0.1487

348.3752, 0.2691,
0.2990

0.0000, 0.0000,
0.0000

56.4146, 0.2351,
0.2737

56.4146, 0.2351,
0.2737

50.6301, 0.2225,
0.2606

62.9213, 0.2491,
0.2862

45.5199, 0.2116,
0.2472

70.1814, 0.2640,
0.2980

41.0385, 0.2026,
0.2337

78.2316, 0.2794,
0.3089

37.1296, 0.1958,
0.2204

87.1036, 0.2951,
0.3188

34.1370, 0.1914,
0.2091

96.8275, 0.3106,
0.3279

99.8705, 0.3139,
0.3309

Harmonies

Analogous

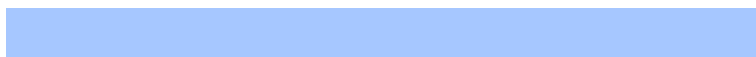
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4146, 0.2363, 0.3041



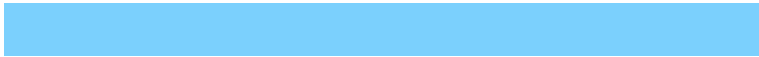
56.4146, 0.2351, 0.2737



56.4146, 0.2527, 0.2600

Triad

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



56.4146, 0.2351, 0.2737



56.4146, 0.3708, 0.3102



56.4146, 0.3347, 0.4058

Complementary

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



56.4146, 0.2351, 0.2737



50.3376, 0.4340, 0.3761

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.



56.4146, 0.3732, 0.4016



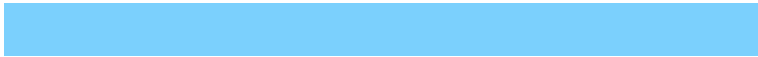
56.4146, 0.2351, 0.2737



56.4146, 0.3957, 0.3446

Square

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



56.4146, 0.2351, 0.2737



56.4146, 0.3298, 0.2813



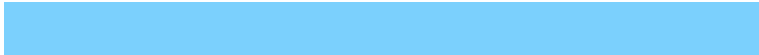
56.4146, 0.3962, 0.3779



56.4146, 0.2919, 0.3849

Rectangle

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



56.4146, 0.2351, 0.2737



56.4146, 0.2738, 0.2604



56.4146, 0.3962, 0.3779



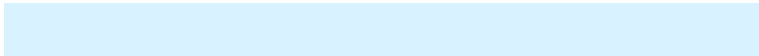
56.4146, 0.3486, 0.4071

Sweetspot

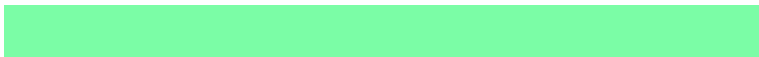
The Sweet Spot groups the original color and five complimentary colors.



56.4167, 0.2351, 0.2737



85.2918, 0.2893, 0.3153



77.2211, 0.2854, 0.4389



17.8471, 0.2860, 0.3132



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.



56.4167, 0.2351, 0.2737



51.1816, 0.2217, 0.2597



31.4741, 0.2187, 0.1913



19.3603, 0.2980, 0.3206



18.4458, 0.1920, 0.2112



2.0003, 0.1962, 0.2262

Inverse Universe

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



39.6172, 0.3623, 0.2433



33.9729, 0.3772, 0.2290



79.6467, 0.3982, 0.4359



18.1872, 0.3191, 0.3136



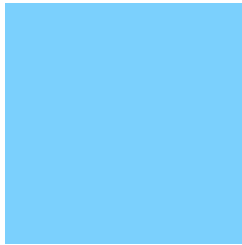
12.5901, 0.4328, 0.2158



1.2465, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 56.4146, 0.2351, 0.2737 looks on a white background.

Color Contrast Check

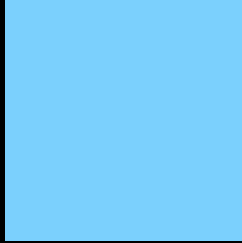
Large Text (above 18pt) WCAG AA × Fail

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 56.4146, 0.2351, 0.2737 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

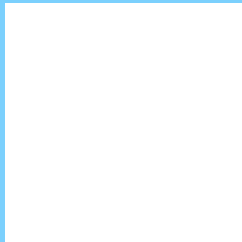
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4146, 0.2351, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 56.4146, 0.2351, 0.2737.



This preview shows how white text looks on a background with the Yxy color 56.4146, 0.2351, 0.2737.

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

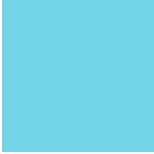
56.4146, 0.2351, 0.2737

Protanopia

55.8762, 0.2722, 0.2724

Deuteranopia

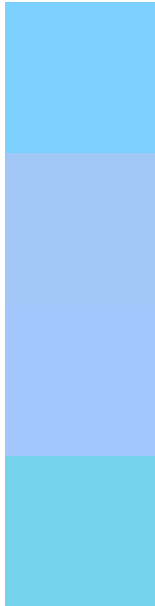
56.1179, 0.2656, 0.2599



Tritanopia

56.3889, 0.2435, 0.3068

Trichromacy



Original Color

56.4146, 0.2351, 0.2737

Protanomaly

55.7053, 0.2565, 0.2730

Deuteranomaly

55.6840, 0.2527, 0.2644

Tritanomaly

56.6131, 0.2404, 0.2946

Monochromacy



Original Color

56.4146, 0.2351, 0.2737

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.6762, 0.2777, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4146, 0.2351, 0.2737 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(123, 208, 253)` looks like.

```
.text, #text, p{  
    color:rgb(123, 208, 253)  
}
```

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(123, 208, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 208, 253) }
```

Border

The CSS property to change the border of an element to Yxy 56.4146, 0.2351, 0.2737 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(123, 208, 253) }
```

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

```
.border{ border-color:rgb(123, 208, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 208, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 208, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 208, 253);  
box-shadow:4px 4px 4px 4px rgb(123, 208,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4146, 0.2351, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 208, 253) }
```

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

```
.background{ background-color: rgb(123,  
208, 253) }
```

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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