

Converting Colors

$Yxy(56.6553, 0.2267, 0.2743)$

Have a look what the booklet for
Yxy(56.6553, 0.2267, 0.2743)
contains.

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Color

Yxy(56.6333, 0.2267, 0.2742)

Conversions

Conversions Part 1

Format	Color
Hex	66D3FF
RGB	102, 211, 255
RGB Percent	40%, 83%, 100%
CMY	0.6001, 0.1725, 0.0000
CMYK	0.60, 0.17, 0.00, 0.00
HSL	197°, 100%, 70%
HSV	197°, 60%, 100%
XYZ	46.8226, 56.6333, 103.0842
YIQ	183.4250, -79.0880, -9.4240

Conversions

Conversions Part 2

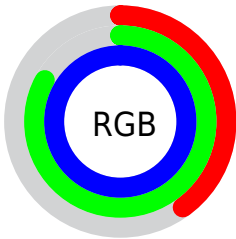
Format	Color
RYB	102, 166, 255
Decimal	6738943
CIELab	79.97, -18.79, -30.91
CIELCh	80, 36.175, 238.713
Yxy	56.6333, 0.2267, 0.2742
Android (android.graphics.Color)	4284929023 (0xFF66D3FF)
YUV	183.4250, 35.2865, -71.4097
Hunter-Lab	75.2551, -20.6363, -28.5367

Details

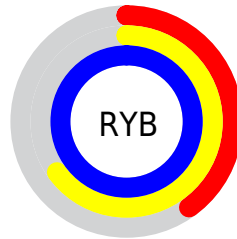
The Yxy color **56.6333, 0.2267, 0.2742** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.7661, 0.4702, 0.3730**, and the grayscale version is **47.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **27.9643, 0.2066, 0.2591** is the 20% darker color. If you saturate the color by 10%, you get **51.8069, 0.2164, 0.2633**, and if you desaturate by 10%, it is **62.0858, 0.2387, 0.2848**.

Distribution



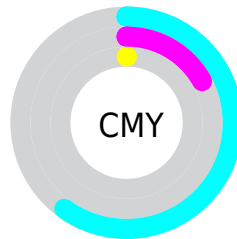
- Red (40%)
- Green (83%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6333, 0.2267, 0.2742 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 56.6333, 0.2267, 0.2742 by changing the saturation by 10% instead.


 56.6333, 0.2267,
0.2742

 56.6333, 0.2267,
0.2742

412.0738, 0.2666,
0.3012

 40.7109, 0.2177,
0.2677


 99.9299, 0.2405,
0.2838

 28.0933, 0.2067,
0.2596


 128.0729, 0.2459,
0.2875

 18.3960, 0.1929,
0.2491


 161.0583, 0.2505,
0.2906

 11.2346, 0.1753,
0.2352

199.2704, 0.2546,
0.2933

 6.2249, 0.1523,
0.2160

243.0936, 0.2581,
0.2957

 2.9823, 0.1215,
0.1884

292.9123, 0.2613,

 1.1225, 0.0776,

0.2977

0.1474

349.1109, 0.2641,
0.2996

0.0000, 0.0000,
0.0000

56.6333, 0.2267,
0.2742

56.6333, 0.2267,
0.2742

51.8069, 0.2164,
0.2633

62.0858, 0.2387,
0.2848

47.5579, 0.2081,
0.2523

68.2016, 0.2521,
0.2950

43.8331, 0.2019,
0.2413

75.0179, 0.2666,
0.3046

40.5488, 0.1974,
0.2306

82.5678, 0.2817,
0.3135

90.8820, 0.2972,
0.3216

99.9893, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

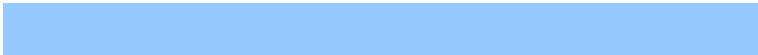
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.6333, 0.2325, 0.3108



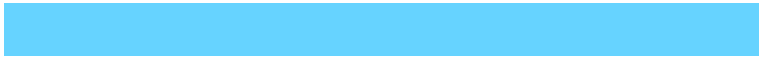
56.6333, 0.2267, 0.2742



56.6333, 0.2413, 0.2554

Triad

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



56.6333, 0.2267, 0.2742



56.6333, 0.3673, 0.3006



56.6333, 0.3467, 0.4148

Complementary

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



56.6333, 0.2267, 0.2742



42.7661, 0.4702, 0.3730

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.



56.6333, 0.3862, 0.4039



56.6333, 0.2267, 0.2742



56.6333, 0.3999, 0.3371

Square

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



56.6333, 0.2267, 0.2742



56.6333, 0.3203, 0.2715



56.6333, 0.4065, 0.3743



56.6333, 0.2998, 0.3982

Rectangle

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



56.6333, 0.2267, 0.2742



56.6333, 0.2616, 0.2533



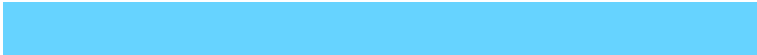
56.6333, 0.4065, 0.3743



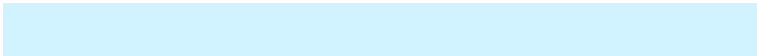
56.6333, 0.3613, 0.4140

Sweetspot

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



56.6343, 0.2267, 0.2742



84.1776, 0.2848, 0.3152



76.3976, 0.2863, 0.4716



17.5211, 0.2803, 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.



56.6343, 0.2267, 0.2742



50.9174, 0.2146, 0.2611



27.4067, 0.2041, 0.1737



19.5471, 0.2980, 0.3220



21.4562, 0.1979, 0.2324



2.2765, 0.2013, 0.2447

Inverse Universe

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



35.4605, 0.3640, 0.2235



30.0920, 0.3784, 0.2101



74.3784, 0.4166, 0.4445



18.2061, 0.3182, 0.3122



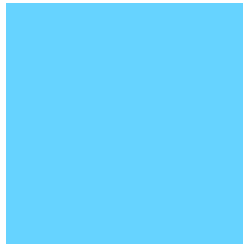
12.8940, 0.4102, 0.2033



1.2744, 0.3975, 0.1964

Previews

White Background



This preview shows how the Yxy color 56.6333, 0.2267, 0.2742 looks on a white background.

Color Contrast Check

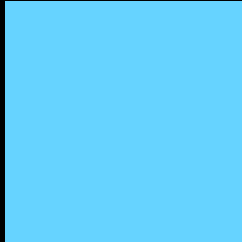
Large Text (above 18pt) WCAG AA × Fail

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 56.6333, 0.2267, 0.2742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

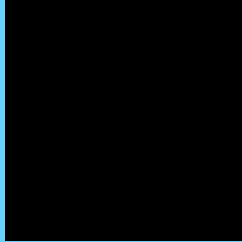
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

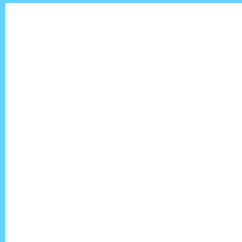
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6333, 0.2267, 0.2742

Background



This preview shows how black text looks on a background with the Yxy color 56.6333, 0.2267, 0.2742.



This preview shows how white text looks on a background with the Yxy color 56.6333, 0.2267, 0.2742.

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

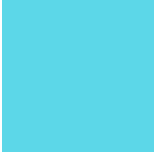
56.6333, 0.2267, 0.2742

Protanopia

56.0010, 0.2729, 0.2725

Deuteranopia

55.9939, 0.2650, 0.2598



Tritanopia

56.7024, 0.2340, 0.3065

Trichromacy



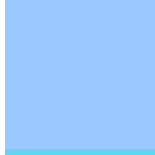
Original Color

56.6333, 0.2267, 0.2742



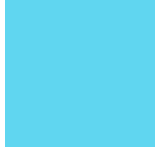
Protanomaly

55.5192, 0.2521, 0.2726



Deuteranomaly

55.3986, 0.2478, 0.2638



Tritanomaly

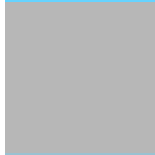
56.8712, 0.2316, 0.2954

Monochromacy



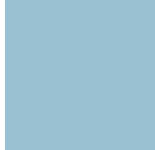
Original Color

56.6333, 0.2267, 0.2742



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.6134, 0.2725, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6333, 0.2267, 0.2742 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(102, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 211, 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(102, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.6333, 0.2267, 0.2742 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(102, 211, 255) }
```

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

```
.border{ border-color:rgb(102, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6333, 0.2267, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 211, 255) }
```

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

```
.background{ background-color: rgb(102,  
211, 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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