

Converting Colors

$Y_{xy}(56.9862, 0.2362, 0.2720)$

Have a look what the booklet for
Yxy(56.9862, 0.2362, 0.2720)
contains.

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Color

Yxy(56.8438, 0.2360, 0.2717)

Conversions

Conversions Part 1

Format	Color
Hex	7FD0FF
RGB	127, 208, 255
RGB Percent	50%, 82%, 100%
CMY	0.5015, 0.1844, 0.0000
CMYK	0.50, 0.18, 0.00, 0.00
HSL	202°, 100%, 75%
HSV	202°, 50%, 100%
XYZ	49.3748, 56.8438, 102.9967
YIQ	189.1390, -63.3630, -2.5550

Conversions

Conversions Part 2

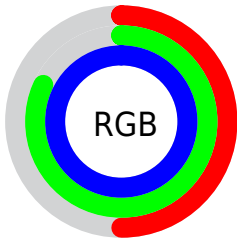
Format	Color
RYB	127, 177, 255
Decimal	8376575
CIELab	80.09, -12.25, -30.65
CIELCh	80, 33.011, 248.217
Yxy	56.8438, 0.2360, 0.2717
Android (android.graphics.Color)	4286566655 (0xFF7FD0FF)
YUV	189.1390, 32.4695, -54.4959
Hunter-Lab	75.3948, -15.0443, -28.2196

Details

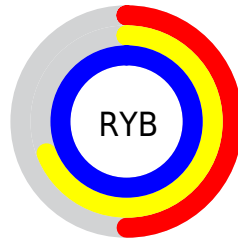
The Yxy color **56.8438, 0.2360, 0.2717** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.1249, 0.4286, 0.3779**, and the grayscale version is **50.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **28.3467, 0.2182, 0.2578** is the 20% darker color. If you saturate the color by 10%, you get **50.6882, 0.2229, 0.2578**, and if you desaturate by 10%, it is **63.7664, 0.2504, 0.2850**.

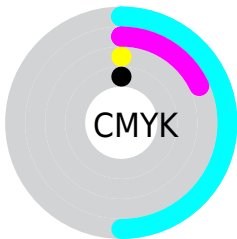
Distribution



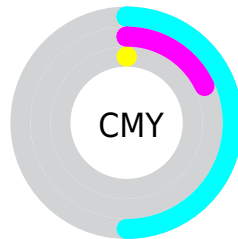
- Red (50%)
- Green (82%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8438, 0.2360, 0.2717 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 56.8438, 0.2360, 0.2717 by changing the saturation by 10% instead.


 56.8438, 0.2360,
0.2717


 56.8438, 0.2360,
0.2717

412.8638, 0.2718,
0.2995

 40.8798, 0.2279,
0.2651

 100.2372, 0.2484,
0.2815

 28.2252, 0.2178,
0.2569

 128.4355, 0.2532,
0.2853

 18.4955, 0.2053,
0.2464


 161.4807, 0.2574,
0.2885

 11.3063, 0.1891,
0.2325

199.7571, 0.2610,
0.2913

 6.2733, 0.1677,
0.2136

243.6493, 0.2642,
0.2937

 3.0119, 0.1385,
0.1864

293.5415, 0.2670,

 1.1380, 0.0979,

0.2959

0.1461

349.8182, 0.2695,
0.2978

0.0101, 0.0000,
0.0037

0.0000, 0.0000,
0.0000

56.8438, 0.2360,
0.2717

56.8438, 0.2360,
0.2717

50.6882, 0.2229,
0.2578

63.7664, 0.2504,
0.2850

45.2551, 0.2114,
0.2435

71.4929, 0.2656,
0.2974

40.4967, 0.2019,
0.2291

80.0595, 0.2812,
0.3089

36.3561, 0.1946,
0.2149

89.4990, 0.2969,
0.3194

■ 32.7919, 0.1892,
0.2013

99.8426, 0.3125,
0.3289

100.0000, 0.3127,
0.3290

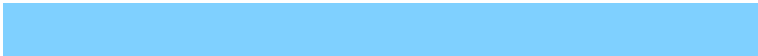
Harmonies

Analogous

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



56.8438, 0.2354, 0.3007



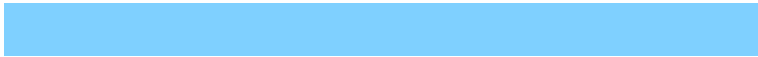
56.8438, 0.2360, 0.2717



56.8438, 0.2553, 0.2596

Triad

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



56.8438, 0.2360, 0.2717



56.8438, 0.3739, 0.3133



56.8438, 0.3306, 0.4049

Complementary

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



56.8438, 0.2360, 0.2717



53.1249, 0.4286, 0.3779

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.



56.8438, 0.3701, 0.4029



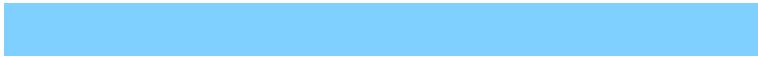
56.8438, 0.2360, 0.2717



56.8438, 0.3968, 0.3479

Square

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



56.8438, 0.2360, 0.2717



56.8438, 0.3339, 0.2836



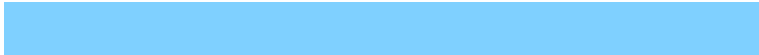
56.8438, 0.3949, 0.3807



56.8438, 0.2881, 0.3818

Rectangle

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



56.8438, 0.2360, 0.2717



56.8438, 0.2772, 0.2610



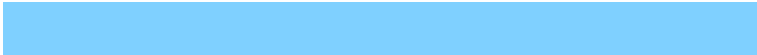
56.8438, 0.3949, 0.3807



56.8438, 0.3447, 0.4070

Sweetspot

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



56.8444, 0.2360, 0.2717



84.8057, 0.2893, 0.3144



79.0985, 0.2838, 0.4303



17.7297, 0.2860, 0.3122



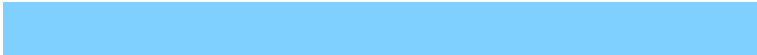
0.0000, 0.0000, 0.0000



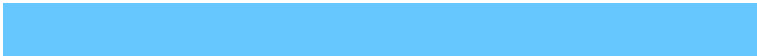
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8444, 0.2360, 0.2717



50.7725, 0.2231, 0.2580



31.7424, 0.2200, 0.1897



19.2925, 0.2979, 0.3200



17.4294, 0.1899, 0.2035



1.9058, 0.1943, 0.2194

Inverse Universe

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



41.0251, 0.3636, 0.2476



34.8742, 0.3782, 0.2344



83.9159, 0.3942, 0.4373



18.1804, 0.3195, 0.3141



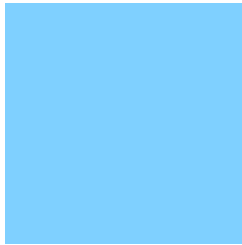
12.4875, 0.4413, 0.2205



1.2369, 0.4239, 0.2109

Previews

White Background



This preview shows how the Yxy color 56.8438, 0.2360, 0.2717 looks on a white background.

Color Contrast Check

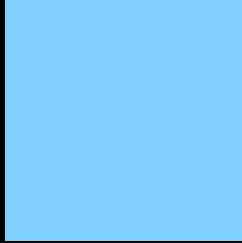
Large Text (above 18pt) WCAG AA × Fail

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 56.8438, 0.2360, 0.2717 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

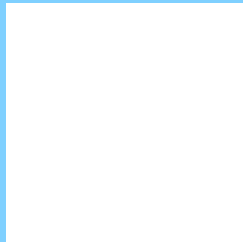
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8438, 0.2360, 0.2717

Background



This preview shows how black text looks on a background with the Yxy color 56.8438, 0.2360, 0.2717.

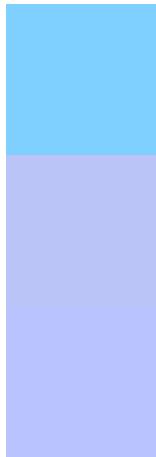


This preview shows how white text looks on a background with the Yxy color 56.8438, 0.2360, 0.2717.

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

56.8438, 0.2360, 0.2717

Protanopia

56.5728, 0.2718, 0.2716

Deuteranopia

56.5645, 0.2658, 0.2611



Tritanopia

56.7221, 0.2448, 0.3057

Trichromacy



Original Color

56.8438, 0.2360, 0.2717

Protanomaly

56.1474, 0.2573, 0.2712

Deuteranomaly

56.4211, 0.2535, 0.2648

Tritanomaly

56.9581, 0.2417, 0.2935

Monochromacy



Original Color

56.8438, 0.2360, 0.2717

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.4994, 0.2793, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8438, 0.2360, 0.2717 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(127, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 208, 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(127, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.8438, 0.2360, 0.2717 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(127, 208, 255) }
```

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

```
.border{ border-color:rgb(127, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8438, 0.2360, 0.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 208, 255) }
```

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

```
.background{ background-color: rgb(127,  
208, 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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