

Converting Colors

$Y_{xy}(56.4265, 0.2553, 0.2770)$

Have a look what the booklet for
Yxy(56.4265, 0.2553, 0.2770)
contains.

Yxy(56.6348, 0.2552, 0.2775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.6348, 0.2552, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	9ECBF6
RGB	158, 203, 246
RGB Percent	62%, 80%, 96%
CMY	0.3806, 0.2039, 0.0353
CMYK	0.36, 0.17, 0.00, 0.04
HSL	209°, 83%, 79%
HSV	209°, 36%, 96%
XYZ	52.0836, 56.6348, 95.3710
YIQ	194.4470, -40.6230, 3.8330

Conversions

Conversions Part 2

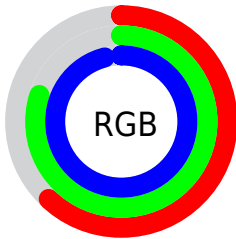
Format	Color
R _Y B	158, 188, 246
Decimal	10406902
CIE Lab	79.97, -4.52, -25.89
CIE LCh	80, 26.279, 260.091
Yxy	56.6348, 0.2552, 0.2775
Android (android.graphics.Color)	4288596982 (0xFF9ECBF6)
YUV	194.4470, 25.4156, -31.9640
Hunter-Lab	75.2561, -8.1610, -22.4581

Details

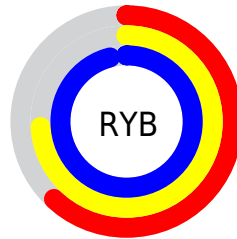
The Yxy color **56.6348, 0.2552, 0.2775** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8041, 0.3825, 0.3752**, and the grayscale version is **54.0882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **28.0962, 0.2407, 0.2638** is the 20% darker color. If you saturate the color by 10%, you get **48.9329, 0.2391, 0.2600**, and if you desaturate by 10%, it is **65.2798, 0.2716, 0.2937**.

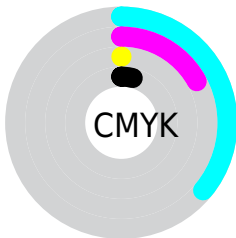
Distribution



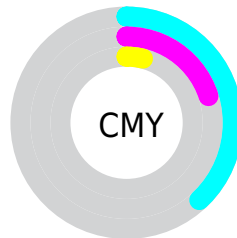
- Red (62%)
- Green (80%)
- Blue (96%)



- Red (62%)
- Yellow (74%)
- Blue (96%)



- Cyan (36%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (38%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6348, 0.2552, 0.2775 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 56.6348, 0.2552, 0.2775 by changing the saturation by 10% instead.

■ 56.6348, 0.2552,
0.2775

■ 56.6348, 0.2552,
0.2775

412.0794, 0.2824,
0.3022

■ 40.7121, 0.2489,
0.2717

■ 99.9321, 0.2647,
0.2862

■ 28.0942, 0.2410,
0.2644

■ 128.0755, 0.2684,
0.2896

■ 18.3967, 0.2311,
0.2551

161.0613, 0.2716,
0.2924

■ 11.2352, 0.2180,
0.2428

199.2738, 0.2743,
0.2949

■ 6.2252, 0.2003,
0.2258

243.0975, 0.2767,
0.2971

■ 2.9825, 0.1750,
0.2012

292.9168, 0.2788,

■ 1.1226, 0.1373,

0.2990

0.1634

349.1159, 0.2807,
0.3007

0.0000, 0.0000,
0.0000

56.6348, 0.2552,
0.2775

56.6348, 0.2552,
0.2775

48.9329, 0.2391,
0.2600

65.2798, 0.2716,
0.2937

42.1275, 0.2238,
0.2415

74.8983, 0.2879,
0.3085

36.1776, 0.2098,
0.2224

85.5273, 0.3038,
0.3219

31.0349, 0.1976,
0.2031

96.9415, 0.3182,
0.3339

26.6446, 0.1876,
0.1842

99.4336, 0.3179,
0.3376

■ 22.9410, 0.1801,
0.1661

■ 21.5490, 0.1775,
0.1588

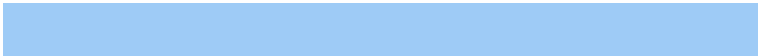
Harmonies

Analogous

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



56.6348, 0.2485, 0.2962



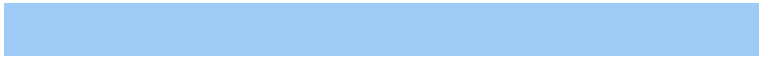
56.6348, 0.2552, 0.2775



56.6348, 0.2766, 0.2728

Triad

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



56.6348, 0.2552, 0.2775



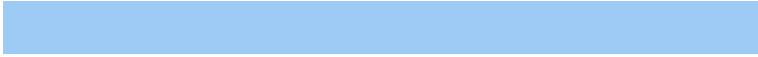
56.6348, 0.3707, 0.3277



56.6348, 0.3138, 0.3836

Complementary

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



56.6348, 0.2552, 0.2775



63.8041, 0.3825, 0.3752

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.



56.6348, 0.3475, 0.3906



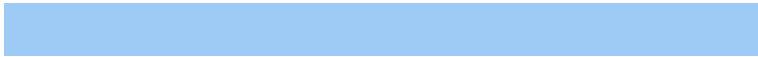
56.6348, 0.2552, 0.2775



56.6348, 0.3815, 0.3560

Square

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



56.6348, 0.2552, 0.2775



56.6348, 0.3434, 0.3011



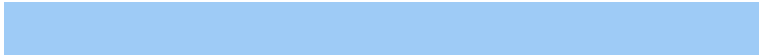
56.6348, 0.3726, 0.3794



56.6348, 0.2811, 0.3591

Rectangle

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



56.6348, 0.2552, 0.2775



56.6348, 0.2971, 0.2772



56.6348, 0.3726, 0.3794



56.6348, 0.3254, 0.3881

Sweetspot

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



56.6370, 0.2552, 0.2775



86.6344, 0.2956, 0.3151



77.3678, 0.2852, 0.3835



18.2110, 0.2934, 0.3133



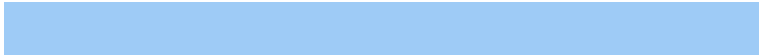
0.0000, 0.0000, 0.0000



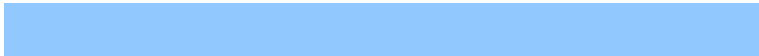
21.4041, 0.3127, 0.3290

Same Dimension

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



56.6370, 0.2552, 0.2775



55.2631, 0.2434, 0.2649



38.8610, 0.2476, 0.2227



17.3292, 0.2980, 0.3171



11.7845, 0.1782, 0.1616



1.2415, 0.1844, 0.1839

Inverse Universe

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



48.3438, 0.3547, 0.2811



45.8570, 0.3670, 0.2713



87.0792, 0.3672, 0.4169



16.6241, 0.3213, 0.3169



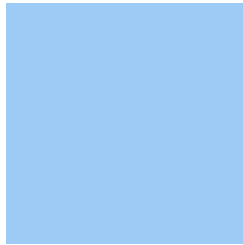
11.2890, 0.4910, 0.2479



1.0130, 0.4639, 0.2329

Previews

White Background



This preview shows how the Yxy color 56.6348, 0.2552, 0.2775 looks on a white background.

Color Contrast Check

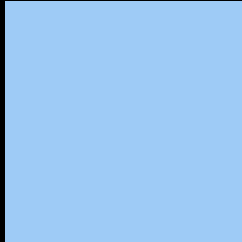
Large Text (above 18pt) WCAG AA × Fail

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 56.6348, 0.2552, 0.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

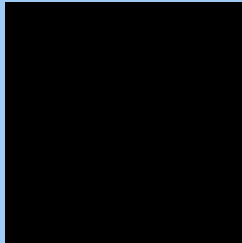
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

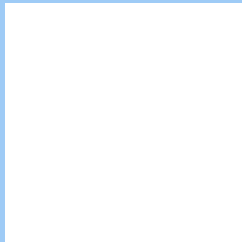
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6348, 0.2552, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 56.6348, 0.2552, 0.2775.



This preview shows how white text looks on a background with the Yxy color 56.6348, 0.2552, 0.2775.

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

56.6348, 0.2552, 0.2775

Protanopia

56.5221, 0.2762, 0.2770

Deuteranopia

56.4372, 0.2738, 0.2677



Tritanopia

56.7798, 0.2649, 0.3076

Trichromacy



Original Color

56.6348, 0.2552, 0.2775

Protanomaly

56.6650, 0.2680, 0.2774

Deuteranomaly

56.2316, 0.2667, 0.2710

Tritanomaly

56.9374, 0.2615, 0.2969

Monochromacy



Original Color

56.6348, 0.2552, 0.2775

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.5604, 0.2893, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6348, 0.2552, 0.2775 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(158, 203, 246)` looks like.

```
.text, #text, p{  
    color:rgb(158, 203, 246)  
}
```

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(158, 203, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 203, 246) }
```

Border

The CSS property to change the border of an element to Yxy 56.6348, 0.2552, 0.2775 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(158, 203, 246) }
```

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

```
.border{ border-color:rgb(158, 203, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 203, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 203, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 203, 246); box-shadow:4px 4px 4px 4px rgb(158, 203, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6348, 0.2552, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 203, 246) }
```

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

```
.background{ background-color: rgb(158,  
203, 246) }
```

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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