

Converting Colors

$Y_{xy}(58.1005, 0.2351, 0.2388)$

Have a look what the booklet for
Yxy(58.1005, 0.2351, 0.2388)
contains.

Yxy(56.3311, 0.2482, 0.2663)	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(56.3311, 0.2482, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	9ACAFF
RGB	154, 202, 255
RGB Percent	60%, 79%, 100%
CMY	0.3958, 0.2079, 0.0001
CMYK	0.40, 0.21, 0.00, 0.00
HSL	212°, 100%, 80%
HSV	212°, 40%, 100%
XYZ	52.5024, 56.3311, 102.6990
YIQ	193.6900, -45.6210, 6.3070

Conversions

Conversions Part 2

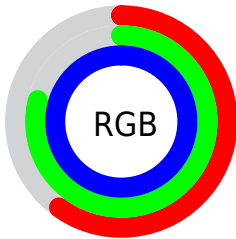
Format	Color
RYB	154, 187, 255
Decimal	10144511
CIELab	79.80, -2.69, -30.96
CIELCh	80, 31.080, 265.039
Yxy	56.3311, 0.2482, 0.2663
Android (android.graphics.Color)	4288334591 (0xFF9ACAFF)
YUV	193.6900, 30.2258, -34.8081
Hunter-Lab	75.0540, -6.4789, -28.5907

Details

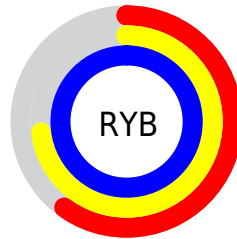
The Yxy color **56.3311, 0.2482, 0.2663** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.2408, 0.3904, 0.3839**, and the grayscale version is **53.6016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **27.8537, 0.2324, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **48.0781, 0.2319, 0.2469**, and if you desaturate by 10%, it is **65.6649, 0.2649, 0.2844**.

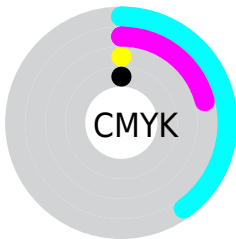
Distribution



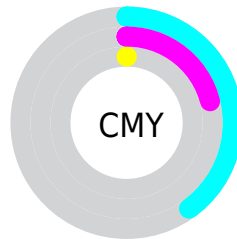
- Red (60%)
- Green (79%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3311, 0.2482, 0.2663 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 56.3311, 0.2482, 0.2663 by changing the saturation by 10% instead.

■ 56.3311, 0.2482,
0.2663

■ 56.3311, 0.2482,
0.2663

410.9381, 0.2786,
0.2961

■ 40.4684, 0.2412,
0.2594

■ 99.4885, 0.2588,
0.2768

■ 27.9040, 0.2325,
0.2508

■ 127.5521, 0.2629,
0.2808

■ 18.2533, 0.2215,
0.2398

160.4514, 0.2665,
0.2843

■ 11.1320, 0.2073,
0.2255

198.5708, 0.2695,
0.2873

■ 6.1557, 0.1881,
0.2062

242.2948, 0.2722,
0.2899

■ 2.9400, 0.1613,
0.1789

292.0078, 0.2746,

■ 1.1005, 0.1227,

0.2922

0.1390

348.0941, 0.2767,
0.2943

0.0000, 0.0000,
0.0000

56.3311, 0.2482,
0.2663

56.3311, 0.2482,
0.2663

48.0781, 0.2319,
0.2469

65.6649, 0.2649,
0.2844

40.8517, 0.2164,
0.2266

76.1172, 0.2816,
0.3010

34.6018, 0.2025,
0.2058

87.7316, 0.2978,
0.3161

29.2703, 0.1906,
0.1852

99.9990, 0.3127,
0.3290

24.7900, 0.1812,
0.1654

■ 21.0639, 0.1742,
0.1469

■ 20.9202, 0.1739,
0.1462

Harmonies

Analogous

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



56.3311, 0.2374, 0.2851



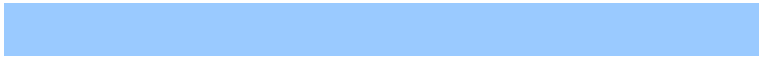
56.3311, 0.2482, 0.2663



56.3311, 0.2755, 0.2638

Triad

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



56.3311, 0.2482, 0.2663



56.3311, 0.3852, 0.3325



56.3311, 0.3069, 0.3909

Complementary

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



56.3311, 0.2482, 0.2663



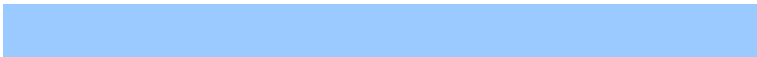
68.2408, 0.3904, 0.3839

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.



56.3311, 0.3472, 0.4026



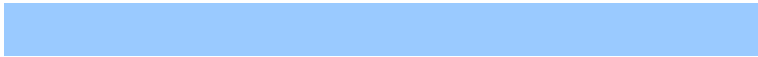
56.3311, 0.2482, 0.2663



56.3311, 0.3941, 0.3653

Square

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



56.3311, 0.2482, 0.2663



56.3311, 0.3553, 0.3009



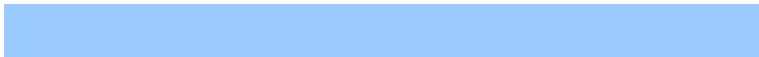
56.3311, 0.3796, 0.3917



56.3311, 0.2698, 0.3586

Rectangle

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



56.3311, 0.2482, 0.2663



56.3311, 0.3006, 0.2707



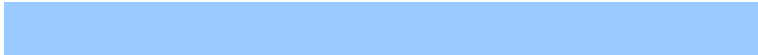
56.3311, 0.3796, 0.3917



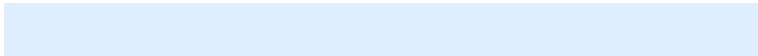
56.3311, 0.3205, 0.3974

Sweetspot

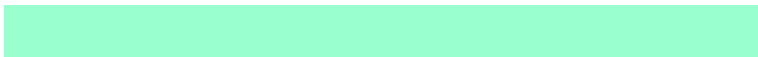
The Sweet Spot groups the original color and five complimentary colors.



56.3332, 0.2482, 0.2663



84.8256, 0.2939, 0.3126



82.8516, 0.2810, 0.3863



17.8250, 0.2918, 0.3107



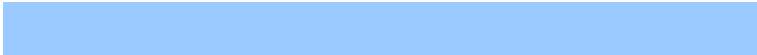
0.0000, 0.0000, 0.0000



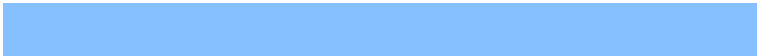
21.4041, 0.3127, 0.3290

Same Dimension

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



56.3332, 0.2482, 0.2663



50.1154, 0.2360, 0.2520



37.3915, 0.2401, 0.2075



18.8009, 0.2979, 0.3162



11.2270, 0.1748, 0.1491



1.3101, 0.1807, 0.1703

Inverse Universe

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



48.6514, 0.3646, 0.2796



42.4389, 0.3790, 0.2706



94.7842, 0.3711, 0.4278



18.1308, 0.3219, 0.3178



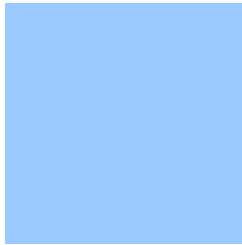
11.8613, 0.5071, 0.2567



1.1768, 0.4803, 0.2419

Previews

White Background



This preview shows how the Yxy color 56.3311, 0.2482, 0.2663 looks on a white background.

Color Contrast Check

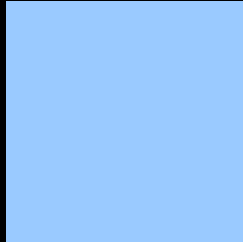
Large Text (above 18pt) WCAG AA × Fail

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 56.3311, 0.2482, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

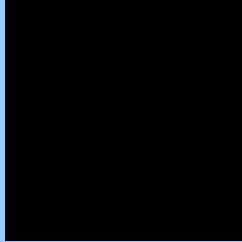
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

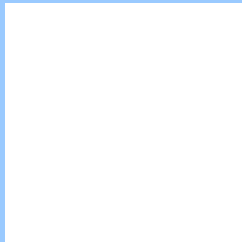
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3311, 0.2482, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 56.3311, 0.2482, 0.2663.



This preview shows how white text looks on a background with the Yxy color 56.3311, 0.2482, 0.2663.

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

56.3311, 0.2482, 0.2663

Protanopia

55.9996, 0.2673, 0.2659

Deuteranopia

56.1179, 0.2656, 0.2599



Tritanopia

56.1185, 0.2608, 0.3074

Trichromacy



Original Color

56.3311, 0.2482, 0.2663

Protanomaly

56.1871, 0.2596, 0.2663

Deuteranomaly

56.1512, 0.2590, 0.2622

Tritanomaly

56.0504, 0.2562, 0.2918

Monochromacy



Original Color

56.3311, 0.2482, 0.2663

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.4741, 0.2859, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3311, 0.2482, 0.2663 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(154, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 202, 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(154, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.3311, 0.2482, 0.2663 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(154, 202, 255) }
```

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

```
.border{ border-color:rgb(154, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3311, 0.2482, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 202, 255) }
```

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

```
.background{ background-color: rgb(154,  
202, 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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