

Converting Colors

$Yxy(58.0612, 0.2701, 0.3054)$

Have a look what the booklet for
Yxy(58.0612, 0.2701, 0.3054)
contains.

Yxy(58.0091, 0.2705, 0.3056)	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(58.0091, 0.2705, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	A4CFE2
RGB	164, 207, 226
RGB Percent	64%, 81%, 89%
CMY	0.3570, 0.1882, 0.1136
CMYK	0.27, 0.08, 0.00, 0.11
HSL	198°, 52%, 76%
HSV	198°, 27%, 89%
XYZ	51.3464, 58.0091, 80.4648
YIQ	196.3090, -31.7270, -3.2070

Conversions

Conversions Part 2

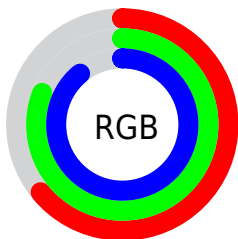
Format	Color
RYB	164, 189, 226
Decimal	10801122
CIELab	80.74, -9.78, -14.02
CIElCh	81, 17.095, 235.098
Yxy	58.0091, 0.2705, 0.3056
Android (android.graphics.Color)	4288991202 (0xFFA4CFE2)
YUV	196.3090, 14.6377, -28.3350
Hunter-Lab	76.1637, -12.9492, -9.3237

Details

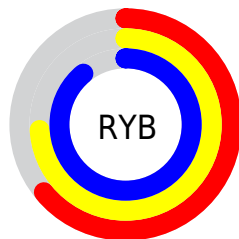
The Yxy color **58.0091, 0.2705, 0.3056** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7109, 0.3665, 0.3512**, and the grayscale version is **55.3190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **29.1022, 0.2602, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **52.5341, 0.2558, 0.2956**, and if you desaturate by 10%, it is **64.0633, 0.2858, 0.3148**.

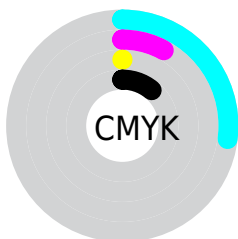
Distribution



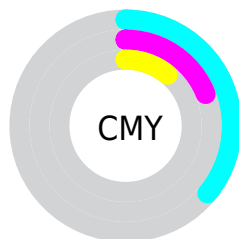
- Red (64%)
- Green (81%)
- Blue (89%)



- Red (64%)
- Yellow (74%)
- Blue (89%)



- Cyan (27%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0091, 0.2705, 0.3056 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 58.0091, 0.2705, 0.3056 by changing the saturation by 10% instead.

■ 58.0091, 0.2705,
0.3056

■ 58.0091, 0.2705,
0.3056

■ 417.2198, 0.2905,
0.3171

■ 41.8160, 0.2658,
0.3028

■ 101.9361, 0.2775,
0.3097

■ 28.9572, 0.2599,
0.2993

■ 130.4388, 0.2803,
0.3113

■ 19.0485, 0.2524,
0.2946

■ 163.8134, 0.2826,
0.3126

■ 11.7053, 0.2425,
0.2883

■ 202.4444, 0.2846,
0.3138

■ 6.5433, 0.2287,
0.2793

■ 246.7161, 0.2864,
0.3148

■ 3.1782, 0.2083,
0.2654

■ 297.0130, 0.2879,

■ 1.2255, 0.1758,

0.3156

0.2414

353.7195, 0.2893,
0.3164

0.0823, 0.0000,
0.0712

0.0000, 0.0000,
0.0000

58.0091, 0.2705,
0.3056

58.0091, 0.2705,
0.3056

52.5341, 0.2558,
0.2956

64.0633, 0.2858,
0.3148

47.6068, 0.2419,
0.2850

70.7126, 0.3012,
0.3232

43.2030, 0.2293,
0.2738

77.9806, 0.3166,
0.3309

39.2932, 0.2183,
0.2622

85.8876, 0.3317,
0.3377

■ 35.8445, 0.2091,
0.2505

■ 90.0444, 0.3313,
0.3444

■ 32.8182, 0.2020,
0.2388

■ 94.2379, 0.3305,
0.3511

■ 30.1634, 0.1968,
0.2273

■ 98.2728, 0.3297,
0.3571

■ 29.5287, 0.1957,
0.2244

Harmonies

Analogous

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



58.0091, 0.2750, 0.3241



58.0091, 0.2705, 0.3056



58.0091, 0.2768, 0.2943

Triad

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



58.0091, 0.2705, 0.3056



58.0091, 0.3360, 0.3135



58.0091, 0.3322, 0.3684

Complementary

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



58.0091, 0.2705, 0.3056



52.7109, 0.3665, 0.3512

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.



58.0091, 0.3494, 0.3638



58.0091, 0.2705, 0.3056



58.0091, 0.3519, 0.3319

Square

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



58.0091, 0.2705, 0.3056



58.0091, 0.3141, 0.2993



58.0091, 0.3568, 0.3502



58.0091, 0.3101, 0.3615

Rectangle

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



58.0091, 0.2705, 0.3056



58.0091, 0.2864, 0.2919



58.0091, 0.3568, 0.3502



58.0091, 0.3388, 0.3681

Sweetspot

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



58.0114, 0.2705, 0.3056



92.4103, 0.3003, 0.3228



65.6999, 0.2978, 0.3836



19.4868, 0.2980, 0.3215



0.0000, 0.0000, 0.0000



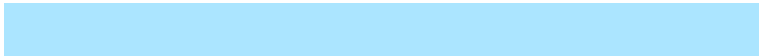
21.4041, 0.3127, 0.3290

Same Dimension

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



58.0114, 0.2705, 0.3056



72.0181, 0.2619, 0.2999



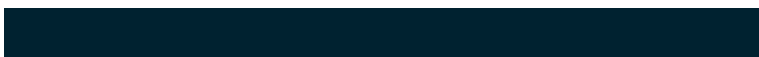
44.5772, 0.2666, 0.2662



14.8264, 0.2982, 0.3216



17.0599, 0.1962, 0.2262



1.3386, 0.2011, 0.2439

Inverse Universe

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



47.2148, 0.3321, 0.2805



55.9983, 0.3373, 0.2701



66.7526, 0.3575, 0.3848



13.8604, 0.3184, 0.3129



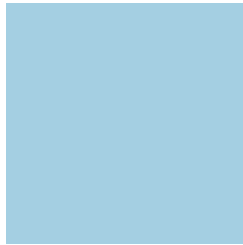
10.6302, 0.4166, 0.2069



0.7526, 0.3983, 0.1968

Previews

White Background



This preview shows how the Yxy color 58.0091, 0.2705, 0.3056 looks on a white background.

Color Contrast Check

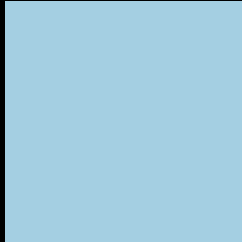
Large Text (above 18pt) WCAG AA × Fail

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 58.0091, 0.2705, 0.3056 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 58.0091, 0.2705, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 58.0091, 0.2705, 0.3056.

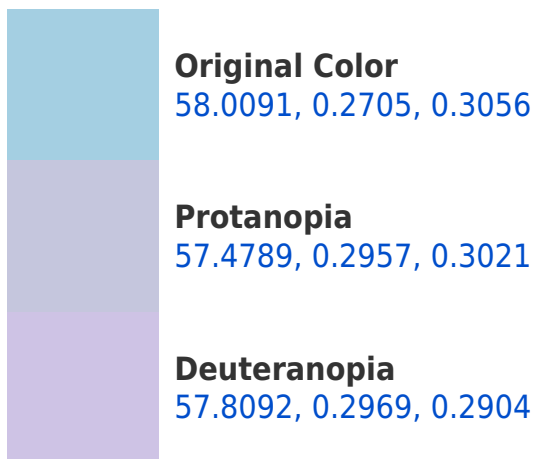


This preview shows how white text looks on a background with the Yxy color 58.0091, 0.2705, 0.3056.

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





Tritanopia

57.9000, 0.2717, 0.3080

Trichromacy



Original Color

58.0091, 0.2705, 0.3056

Protanomaly

57.4153, 0.2858, 0.3027

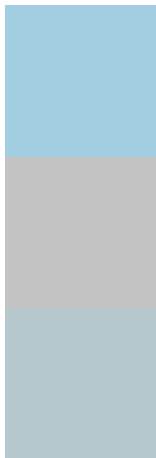
Deuteranomaly

57.5247, 0.2867, 0.2950

Tritanomaly

57.9544, 0.2711, 0.3068

Monochromacy



Original Color

58.0091, 0.2705, 0.3056

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.0039, 0.2957, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0091, 0.2705, 0.3056 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(164, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(164, 207, 226)  
}
```

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(164, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 207, 226) }
```

Border

The CSS property to change the border of an element to Yxy 58.0091, 0.2705, 0.3056 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(164, 207, 226) }
```

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

```
.border{ border-color:rgb(164, 207, 226) }
```

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

Here you see how a box with a 4 pixel rgb(164, 207, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(164, 207,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0091, 0.2705, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 207, 226) }
```

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

```
.background{ background-color: rgb(164,  
207, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor