

Converting Colors

Yxy(59.0719, 0.2681, 0.2933)

Have a look what the booklet for
Yxy(59.0719, 0.2681, 0.2933)
contains.

Yxy(59.2861, 0.2680, 0.2932)	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(59.2861, 0.2680, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	AACFED
RGB	170, 207, 237
RGB Percent	67%, 81%, 93%
CMY	0.3330, 0.1883, 0.0705
CMYK	0.28, 0.13, 0.00, 0.07
HSL	207°, 65%, 80%
HSV	207°, 28%, 93%
XYZ	54.1906, 59.2861, 88.7269
YIQ	199.3570, -31.6820, 1.4860

Conversions

Conversions Part 2

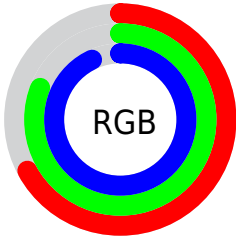
Format	Color
RYB	170, 194, 237
Decimal	11194349
CIELab	81.45, -5.43, -18.79
CIELCh	81, 19.563, 253.871
Yxy	59.2861, 0.2680, 0.2932
Android (android.graphics.Color)	4289384429 (0xFFAACFED)
YUV	199.3570, 18.5580, -25.7461
Hunter-Lab	76.9975, -9.1178, -14.4238

Details

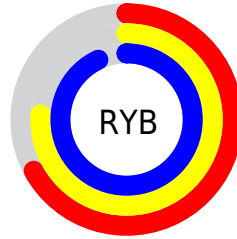
The Yxy color **59.2861, 0.2680, 0.2932** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2756, 0.3657, 0.3622**, and the grayscale version is **57.2515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **29.8317, 0.2570, 0.2846** is the 20% darker color. If you saturate the color by 10%, you get **51.8988, 0.2520, 0.2781**, and if you desaturate by 10%, it is **67.5016, 0.2841, 0.3071**.

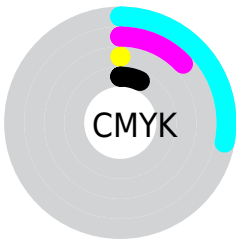
Distribution



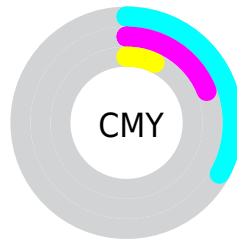
- Red (67%)
- Green (81%)
- Blue (93%)



- Red (67%)
- Yellow (76%)
- Blue (93%)



- Cyan (28%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2861, 0.2680, 0.2932 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 59.2861, 0.2680, 0.2932 by changing the saturation by 10% instead.

■ 59.2861, 0.2680,
0.2932

■ 59.2861, 0.2680,
0.2932

421.9613, 0.2891,
0.3104

■ 42.8435, 0.2631,
0.2891

■ 103.7934, 0.2754,
0.2993

■ 29.7623, 0.2570,
0.2840

132.6268, 0.2783,
0.3016

■ 19.6583, 0.2492,
0.2774

166.3593, 0.2807,
0.3036

■ 12.1469, 0.2389,
0.2686

205.3752, 0.2828,
0.3054

■ 6.8438, 0.2247,
0.2563

250.0590, 0.2847,
0.3069

■ 3.3646, 0.2042,
0.2380

300.7950, 0.2864,

■ 1.3249, 0.1722,

0.3082

0.2086

357.9677, 0.2878,
0.3094

0.1604, 0.0112,
0.0906

0.0000, 0.0000,
0.0000

59.2861, 0.2680,
0.2932

59.2861, 0.2680,
0.2932

51.8988, 0.2520,
0.2781

67.5016, 0.2841,
0.3071

45.3001, 0.2366,
0.2619

76.5684, 0.3000,
0.3196

39.4575, 0.2221,
0.2449

86.5174, 0.3154,
0.3309

34.3326, 0.2090,
0.2274

95.4526, 0.3237,
0.3411

■ 29.8826, 0.1979,
0.2097

■ 98.8959, 0.3232,
0.3463

■ 26.0580, 0.1890,
0.1923

■ 22.7918, 0.1824,
0.1757

■ 22.2613, 0.1813,
0.1728

Harmonies

Analogous

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



59.2861, 0.2654, 0.3094



59.2861, 0.2680, 0.2932



59.2861, 0.2820, 0.2870

Triad

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



59.2861, 0.2680, 0.2932



59.2861, 0.3517, 0.3241



59.2861, 0.3192, 0.3706

Complementary

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



59.2861, 0.2680, 0.2932



62.2756, 0.3657, 0.3622

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.



59.2861, 0.3431, 0.3733



59.2861, 0.2680, 0.2932



59.2861, 0.3625, 0.3454

Square

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



59.2861, 0.2680, 0.2932



59.2861, 0.3303, 0.3047



59.2861, 0.3591, 0.3636



59.2861, 0.2943, 0.3552

Rectangle

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



59.2861, 0.2680, 0.2932



59.2861, 0.2964, 0.2888



59.2861, 0.3591, 0.3636



59.2861, 0.3276, 0.3730

Sweetspot

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



59.2885, 0.2680, 0.2932



90.6325, 0.3003, 0.3199



73.2652, 0.2923, 0.3744



19.0382, 0.2979, 0.3181



0.0000, 0.0000, 0.0000



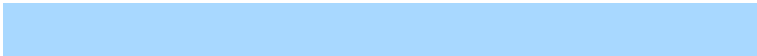
21.4041, 0.3127, 0.3290

Same Dimension

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



59.2885, 0.2680, 0.2932



64.7400, 0.2586, 0.2845



45.1500, 0.2638, 0.2527



15.9258, 0.2981, 0.3182



12.4170, 0.1821, 0.1755



1.1667, 0.1885, 0.1986

Inverse Universe

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



51.2901, 0.3411, 0.2888



54.3391, 0.3490, 0.2801



78.9445, 0.3566, 0.3953



15.1931, 0.3207, 0.3161



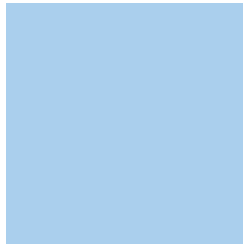
10.7463, 0.4740, 0.2385



0.8632, 0.4469, 0.2236

Previews

White Background



This preview shows how the Yxy color 59.2861, 0.2680, 0.2932 looks on a white background.

Color Contrast Check

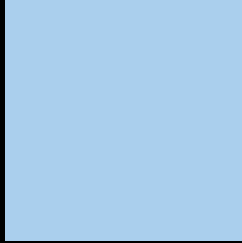
Large Text (above 18pt) WCAG AA × Fail

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 59.2861, 0.2680, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

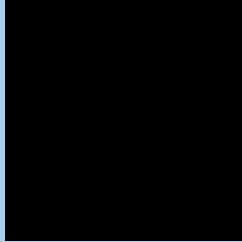
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

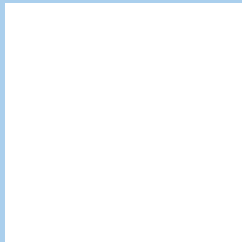
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2861, 0.2680, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 59.2861, 0.2680, 0.2932.



This preview shows how white text looks on a background with the Yxy color 59.2861, 0.2680, 0.2932.

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

59.2861, 0.2680, 0.2932

Protanopia

58.9275, 0.2871, 0.2911

Deuteranopia

58.8610, 0.2881, 0.2818



Tritanopia

59.4167, 0.2733, 0.3083

Trichromacy



Original Color

59.2861, 0.2680, 0.2932

Protanomaly

59.2172, 0.2804, 0.2929

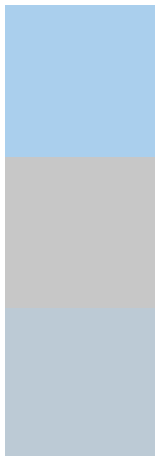
Deuteranomaly

59.0227, 0.2805, 0.2864

Tritanomaly

59.2599, 0.2715, 0.3024

Monochromacy



Original Color

59.2861, 0.2680, 0.2932

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.7365, 0.2946, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2861, 0.2680, 0.2932 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(170, 207, 237)` looks like.

```
.text, #text, p{  
    color:rgb(170, 207, 237)  
}
```

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(170, 207, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 207, 237) }
```

Border

The CSS property to change the border of an element to Yxy 59.2861, 0.2680, 0.2932 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(170, 207, 237) }
```

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

```
.border{ border-color:rgb(170, 207, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 207, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 207, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 207, 237);  
box-shadow:4px 4px 4px 4px rgb(170, 207,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2861, 0.2680, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 207, 237) }
```

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

```
.background{ background-color: rgb(170,  
207, 237) }
```

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