

Converting Colors

$Y_{xy}(63.6598, 0.2313, 0.2170)$

Have a look what the booklet for
Yxy(63.6598, 0.2313, 0.2170)
contains.

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Color

Yxy(59.1764, 0.2588, 0.2704)

Conversions

Conversions Part 1

Format	Color
Hex	ACCCFF
RGB	172, 204, 255
RGB Percent	67%, 80%, 100%
CMY	0.3259, 0.1999, 0.0000
CMYK	0.33, 0.20, 0.00, 0.00
HSL	217°, 100%, 84%
HSV	217°, 33%, 100%
XYZ	56.6378, 59.1764, 103.0335
YIQ	200.2460, -35.4430, 9.0770

Conversions

Conversions Part 2

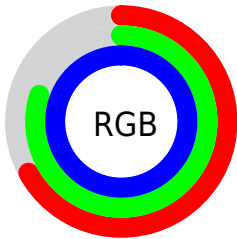
Format	Color
R _Y B	172, 195, 255
Decimal	11324671
CIE Lab	81.39, 0.97, -28.44
CIE LCh	81, 28.458, 271.961
Yxy	59.1764, 0.2588, 0.2704
Android (android.graphics.Color)	4289514751 (0xFFACCCFF)
YUV	200.2460, 26.9937, -24.7717
Hunter-Lab	76.9262, -3.1982, -25.5635

Details

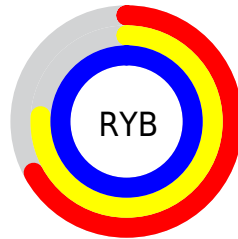
The Yxy color **59.1764, 0.2588, 0.2704** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.9327, 0.3717, 0.3812**, and the grayscale version is **57.7560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **29.6718, 0.2456, 0.2563** is the 20% darker color. If you saturate the color by 10%, you get **49.5010, 0.2412, 0.2485**, and if you desaturate by 10%, it is **70.1563, 0.2762, 0.2905**.

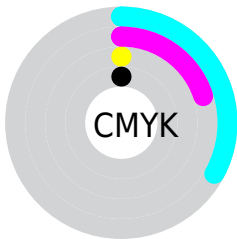
Distribution



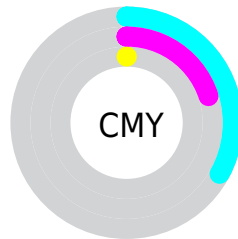
- Red (67%)
- Green (80%)
- Blue (100%)



- Red (67%)
- Yellow (76%)
- Blue (100%)



- Cyan (33%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1764, 0.2588, 0.2704 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 59.1764, 0.2588, 0.2704 by changing the saturation by 10% instead.

■ 59.1764, 0.2588,
0.2704

■ 59.1764, 0.2588,
0.2704

421.5553, 0.2842,
0.2979

■ 42.7551, 0.2529,
0.2641

■ 103.6340, 0.2677,
0.2800

■ 29.6930, 0.2457,
0.2562

132.4391, 0.2711,
0.2837

■ 19.6057, 0.2365,
0.2463

166.1410, 0.2741,
0.2869

■ 12.1088, 0.2244,
0.2334

205.1240, 0.2766,
0.2897

■ 6.8178, 0.2082,
0.2159

249.7725, 0.2789,
0.2922

■ 3.3484, 0.1851,
0.1913

300.4710, 0.2809,

■ 1.3162, 0.1510,

0.2943

0.1550

357.6038, 0.2826,
0.2962

0.1537, 0.0559,
0.0506

0.0000, 0.0000,
0.0000

59.1764, 0.2588,
0.2704

59.1764, 0.2588,
0.2704

49.5010, 0.2412,
0.2485

70.1563, 0.2762,
0.2905

41.0695, 0.2239,
0.2253

82.4840, 0.2929,
0.3088

33.8263, 0.2077,
0.2013

96.2092, 0.3088,
0.3251

27.7080, 0.1931,
0.1774

99.9992, 0.3127,
0.3290

■ 22.6436, 0.1809,
0.1543

■ 18.5513, 0.1716,
0.1331

■ 16.0674, 0.1664,
0.1190

Harmonies

Analogous

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



59.1764, 0.2453, 0.2844



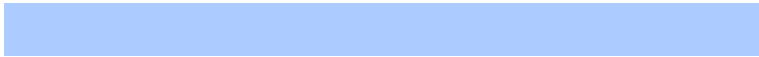
59.1764, 0.2588, 0.2704



59.1764, 0.2866, 0.2713

Triad

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



59.1764, 0.2588, 0.2704



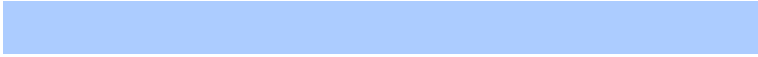
59.1764, 0.3816, 0.3395



59.1764, 0.2993, 0.3790

Complementary

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



59.1764, 0.2588, 0.2704



76.9327, 0.3717, 0.3812

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.



59.1764, 0.3360, 0.3944



59.1764, 0.2588, 0.2704



59.1764, 0.3848, 0.3685

Square

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



59.1764, 0.2588, 0.2704



59.1764, 0.3585, 0.3099



59.1764, 0.3676, 0.3894



59.1764, 0.2676, 0.3475

Rectangle

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



59.1764, 0.2588, 0.2704



59.1764, 0.3105, 0.2795



59.1764, 0.3676, 0.3894



59.1764, 0.3115, 0.3864

Sweetspot

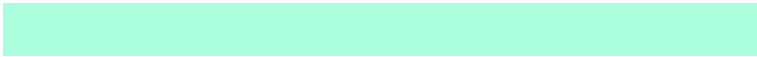
The Sweet Spot groups the original color and five complimentary colors.



59.1787, 0.2588, 0.2704



85.9047, 0.2971, 0.3132



85.5324, 0.2823, 0.3665



17.9875, 0.2948, 0.3108



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.



59.1787, 0.2588, 0.2704



52.8294, 0.2475, 0.2566



46.4154, 0.2597, 0.2334



18.5294, 0.2979, 0.3140



8.6640, 0.1672, 0.1220



1.0478, 0.1735, 0.1444

Inverse Universe

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



55.0864, 0.3591, 0.2958



48.7815, 0.3722, 0.2891



94.2029, 0.3564, 0.4122



18.1034, 0.3233, 0.3198



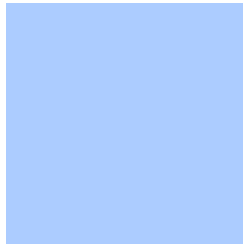
11.6026, 0.5438, 0.2769



1.1503, 0.5132, 0.2601

Previews

White Background



This preview shows how the Yxy color 59.1764, 0.2588, 0.2704 looks on a white background.

Color Contrast Check

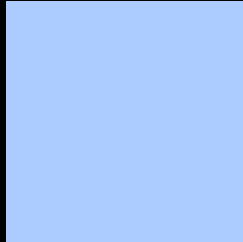
Large Text (above 18pt) WCAG AA × Fail

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 59.1764, 0.2588, 0.2704 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

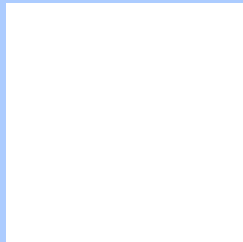
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1764, 0.2588, 0.2704

Background



This preview shows how black text looks on a background with the Yxy color 59.1764, 0.2588, 0.2704.



This preview shows how white text looks on a background with the Yxy color 59.1764, 0.2588, 0.2704.

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

59.1764, 0.2588, 0.2704

Protanopia

59.1556, 0.2707, 0.2704

Deuteranopia

58.9456, 0.2713, 0.2655



Tritanopia

59.0912, 0.2714, 0.3082

Trichromacy



Original Color

59.1764, 0.2588, 0.2704

Protanomaly

58.9324, 0.2663, 0.2699

Deuteranomaly

58.8428, 0.2664, 0.2670

Tritanomaly

59.0649, 0.2667, 0.2931

Monochromacy



Original Color

59.1764, 0.2588, 0.2704

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.8877, 0.2914, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1764, 0.2588, 0.2704 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(172, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 204, 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(172, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.1764, 0.2588, 0.2704 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(172, 204, 255) }
```

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

```
.border{ border-color:rgb(172, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1764, 0.2588, 0.2704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 204, 255) }
```

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

```
.background{ background-color: rgb(172,  
204, 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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