

# Converting Colors

$Yxy(62.4506, 0.2393, 0.2335)$

Have a look what the booklet for  
Yxy(62.4506, 0.2393, 0.2335)  
contains.

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# Color

**Yxy(59.6533, 0.2590, 0.2716)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACCDFE
RGB	172, 205, 255
RGB Percent	67%, 80%, 100%
CMY	0.3256, 0.1960, 0.0001
CMYK	0.33, 0.20, 0.00, 0.00
HSL	216°, 100%, 84%
HSV	216°, 33%, 100%
XYZ	56.8859, 59.6533, 103.0974
YIQ	200.8330, -35.7180, 8.5540

# Conversions

## Conversions Part 2

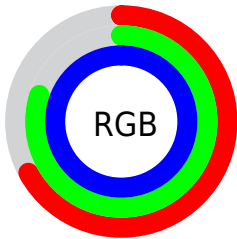
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 196, 255
Decimal	11324927
CIE Lab	81.65, 0.46, -28.03
CIE LCh	82, 28.036, 270.946
Yxy	59.6533, 0.2590, 0.2716
Android (android.graphics.Color)	4289515007 (0xFFACCDFF)
YUV	200.8330, 26.7043, -25.2865
Hunter-Lab	77.2355, -3.6926, -25.0780

# Details

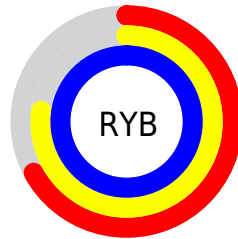
The Yxy color **59.6533, 0.2590, 0.2716** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.4374, 0.3719, 0.3802**, and the grayscale version is **58.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **29.9923, 0.2459, 0.2579** is the 20% darker color. If you saturate the color by 10%, you get **50.0562, 0.2415, 0.2502**, and if you desaturate by 10%, it is **70.5286, 0.2763, 0.2913**.

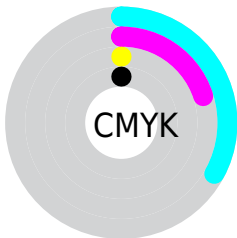
# Distribution



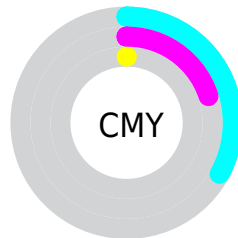
- Red (67%)
- Green (80%)
- Blue (100%)



- Red (67%)
- Yellow (77%)
- 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 59.6533, 0.2590, 0.2716 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 59.6533, 0.2590, 0.2716 by changing the saturation by 10% instead.



■ 59.6533, 0.2590,  
0.2716

■ 59.6533, 0.2590,  
0.2716

423.3187, 0.2843,  
0.2986

■ 43.1392, 0.2532,  
0.2654

■ 104.3266, 0.2678,  
0.2810

■ 29.9944, 0.2460,  
0.2577

133.2546, 0.2712,  
0.2847

■ 19.8343, 0.2368,  
0.2480

167.0894, 0.2742,  
0.2878

■ 12.2747, 0.2249,  
0.2353

206.2153, 0.2767,  
0.2905

■ 6.9310, 0.2088,  
0.2182

251.0168, 0.2790,  
0.2929

■ 3.4190, 0.1860,  
0.1940

301.8783, 0.2809,

■ 1.3542, 0.1521,

0.2950

0.1582

359.1841, 0.2827,  
0.2969

0.1826, 0.0599,  
0.0592

0.0000, 0.0000,  
0.0000

59.6533, 0.2590,  
0.2716

59.6533, 0.2590,  
0.2716

50.0562, 0.2415,  
0.2502

70.5286, 0.2763,  
0.2913

41.6780, 0.2244,  
0.2274

82.7242, 0.2930,  
0.3092

34.4645, 0.2083,  
0.2039

96.2887, 0.3088,  
0.3252

28.3536, 0.1938,  
0.1803

99.9981, 0.3127,  
0.3290

■ 23.2762, 0.1817,  
0.1575

■ 19.1520, 0.1725,  
0.1364

■ 16.6232, 0.1673,  
0.1223

# Harmonies

## Analogous

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



59.6533, 0.2462, 0.2859



59.6533, 0.2590, 0.2716



59.6533, 0.2860, 0.2720

# Triad

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



59.6533, 0.2590, 0.2716



59.6533, 0.3800, 0.3384



59.6533, 0.3008, 0.3789

# Complementary

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



59.6533, 0.2590, 0.2716



76.4374, 0.3719, 0.3802

# 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.



59.6533, 0.3368, 0.3934



59.6533, 0.2590, 0.2716



59.6533, 0.3838, 0.3670

# Square

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



59.6533, 0.2590, 0.2716



59.6533, 0.3567, 0.3093



59.6533, 0.3675, 0.3879



59.6533, 0.2692, 0.3483



# Rectangle

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



59.6533, 0.2590, 0.2716



59.6533, 0.3093, 0.2798



59.6533, 0.3675, 0.3879



59.6533, 0.3128, 0.3859

# Sweetspot

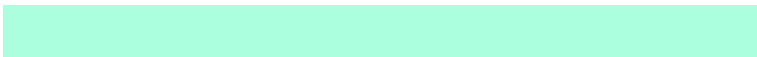
The Sweet Spot groups the original color and five complimentary colors.



59.6556, 0.2590, 0.2716



86.0755, 0.2971, 0.3135



85.5304, 0.2824, 0.3664



18.0287, 0.2948, 0.3112



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.



59.6556, 0.2590, 0.2716



53.3363, 0.2477, 0.2580



46.4499, 0.2598, 0.2335



18.5643, 0.2979, 0.3143



8.9602, 0.1681, 0.1253



1.0789, 0.1744, 0.1476



# Inverse Universe

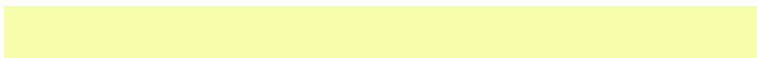
The Inverse Universe completely reimagines the original color for something new.



55.1583, 0.3582, 0.2949



48.8327, 0.3710, 0.2880



94.1928, 0.3563, 0.4122



18.1069, 0.3231, 0.3196



11.6325, 0.5392, 0.2744



1.1535, 0.5090, 0.2578



# Previews

## White Background



This preview shows how the Yxy color 59.6533, 0.2590, 0.2716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

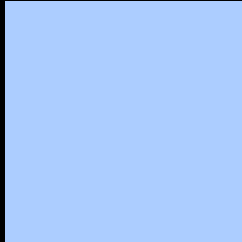
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.6533, 0.2590, 0.2716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

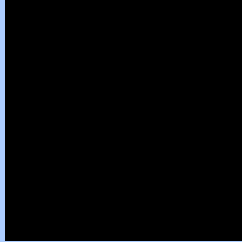
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

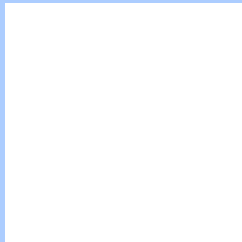
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.6533, 0.2590, 0.2716**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6533, 0.2590, 0.2716.



This preview shows how white text looks on a background with the Yxy color 59.6533, 0.2590, 0.2716.

# 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

59.6533, 0.2590, 0.2716

### Protanopia

59.2840, 0.2713, 0.2705

### Deuteranopia

59.5362, 0.2721, 0.2668



## Tritanopia

59.7462, 0.2716, 0.3083

# Trichromacy



**Original Color**

59.6533, 0.2590, 0.2716

**Protanomaly**

59.4002, 0.2665, 0.2711

**Deuteranomaly**

59.4324, 0.2671, 0.2682

**Tritanomaly**

59.5510, 0.2669, 0.2944

# Monochromacy



**Original Color**

59.6533, 0.2590, 0.2716

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

58.4087, 0.2907, 0.3065

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6533, 0.2590, 0.2716 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, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 205, 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, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 205, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6533, 0.2590, 0.2716 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, 205, 255) }
```

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

```
.border{ border-color:rgb(172, 205, 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, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 205,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6533, 0.2590, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 205, 255) }
```

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

```
.background{ background-color: rgb(172,  
205, 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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