

# Converting Colors

Yxy(54.2304, 0.2619, 0.2832)

Have a look what the booklet for  
Yxy(54.2304, 0.2619, 0.2832)  
contains.

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# Color

**Yxy(54.0214, 0.2617, 0.2825)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1C6EC
RGB	161, 198, 236
RGB Percent	63%, 78%, 93%
CMY	0.3684, 0.2236, 0.0744
CMYK	0.32, 0.16, 0.00, 0.07
HSL	210°, 66%, 78%
HSV	210°, 32%, 93%
XYZ	50.0439, 54.0214, 87.1609
YIQ	191.2690, -34.2500, 3.9740

# Conversions

## Conversions Part 2

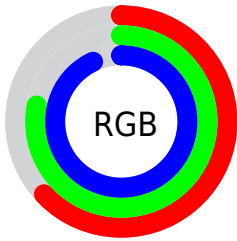
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 186, 236</a>
Decimal	<a href="#">10602220</a>
CIELab	<a href="#">78.47, -3.47, -22.82</a>
CIELCh	<a href="#">78, 23.078, 261.350</a>
Yxy	<a href="#">54.0214, 0.2617, 0.2825</a>
Android (android.graphics.Color)	<a href="#">4288792300 (0xFFA1C6EC)</a>
YUV	<a href="#">191.2690, 22.0524, -26.5459</a>
Hunter-Lab	<a href="#">73.4993, -7.0873, -18.8610</a>

# Details

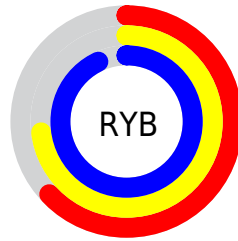
The Yxy color **54.0214, 0.2617, 0.2825** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.3041, 0.3723, 0.3713**, and the grayscale version is **52.1571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **26.3676, 0.2486, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **46.5375, 0.2453, 0.2648**, and if you desaturate by 10%, it is **62.4053, 0.2782, 0.2988**.

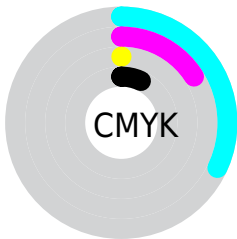
# Distribution



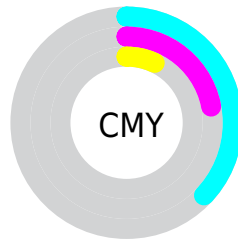
- Red (63%)
- Green (78%)
- Blue (93%)



- Red (63%)
- Yellow (73%)
- Blue (93%)



- Cyan (32%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (37%)
- Magenta (22%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0214, 0.2617, 0.2825 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 54.0214, 0.2617, 0.2825 by changing the saturation by 10% instead.



■ 54.0214, 0.2617,  
0.2825

■ 54.0214, 0.2617,  
0.2825

402.1916, 0.2861,  
0.3050

■ 38.6188, 0.2559,  
0.2771

■ 96.1057, 0.2703,  
0.2905

■ 26.4633, 0.2487,  
0.2704

■ 123.5561, 0.2736,  
0.2936

■ 17.1705, 0.2395,  
0.2617

155.7912, 0.2765,  
0.2962

■ 10.3562, 0.2273,  
0.2500

193.1955, 0.2789,  
0.2984

■ 5.6357, 0.2103,  
0.2337

236.1533, 0.2811,  
0.3004

■ 2.6249, 0.1856,  
0.2096

285.0490, 0.2830,

■ 0.9392, 0.1471,

0.3021

0.1712

340.2669, 0.2846,  
0.3037

0.0000, 0.0000,  
0.0000

54.0214, 0.2617,  
0.2825

54.0214, 0.2617,  
0.2825

46.5375, 0.2453,  
0.2648

62.4053, 0.2782,  
0.2988

39.9112, 0.2293,  
0.2460

71.7166, 0.2944,  
0.3136

34.1055, 0.2145,  
0.2264

81.9890, 0.3100,  
0.3268

29.0778, 0.2012,  
0.2063

93.1627, 0.3246,  
0.3386

24.7799, 0.1900,  
0.1865

98.8373, 0.3238,  
0.3473

■ 21.1557, 0.1813,  
0.1675

■ 18.6082, 0.1758,  
0.1527

# Harmonies

## Analogous

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



54.0214, 0.2550, 0.2990



54.0214, 0.2617, 0.2825



54.0214, 0.2815, 0.2786

# Triad

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



54.0214, 0.2617, 0.2825



54.0214, 0.3651, 0.3292



54.0214, 0.3126, 0.3767

# Complementary

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



54.0214, 0.2617, 0.2825



61.3041, 0.3723, 0.3713

# 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.



54.0214, 0.3427, 0.3839



54.0214, 0.2617, 0.2825



54.0214, 0.3740, 0.3545

# Square

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



54.0214, 0.2617, 0.2825



54.0214, 0.3413, 0.3049



54.0214, 0.3655, 0.3749



54.0214, 0.2835, 0.3546



# Rectangle

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



54.0214, 0.2617, 0.2825



54.0214, 0.3002, 0.2828



54.0214, 0.3655, 0.3749



54.0214, 0.3230, 0.3810

# Sweetspot

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



54.0235, 0.2617, 0.2825



87.5009, 0.2971, 0.3159



71.6887, 0.2873, 0.3746



18.3729, 0.2949, 0.3140



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.



54.0235, 0.2617, 0.2825



58.5608, 0.2511, 0.2713



39.1539, 0.2560, 0.2352



15.7743, 0.2981, 0.3167



10.5135, 0.1766, 0.1555



1.0178, 0.1836, 0.1808



# Inverse Universe

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



47.4257, 0.3498, 0.2883



50.1959, 0.3602, 0.2798



80.4144, 0.3606, 0.4082



15.1778, 0.3216, 0.3175



10.5541, 0.4988, 0.2521

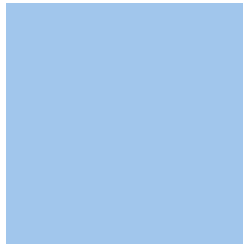


0.8482, 0.4675, 0.2349



# Previews

## White Background



This preview shows how the Yxy color 54.0214, 0.2617, 0.2825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

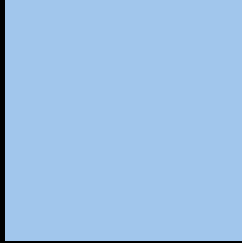
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0214, 0.2617, 0.2825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

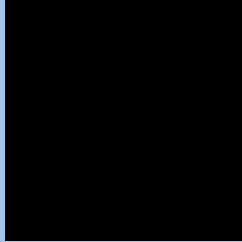
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

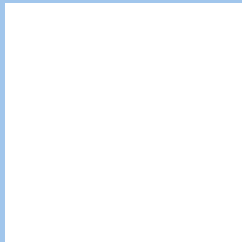
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.0214, 0.2617, 0.2825**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0214, 0.2617, 0.2825.



This preview shows how white text looks on a background with the Yxy color 54.0214, 0.2617, 0.2825.

# 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

54.0214, 0.2617, 0.2825

### Protanopia

53.8398, 0.2794, 0.2816

### Deuteranopia

53.9471, 0.2790, 0.2733



## Tritanopia

53.9511, 0.2706, 0.3086

# Trichromacy



## Original Color

54.0214, 0.2617, 0.2825

## Protanomaly

53.6969, 0.2727, 0.2821

## Deuteranomaly

53.8381, 0.2722, 0.2768

## Tritanomaly

53.9595, 0.2670, 0.2988

# Monochromacy



## Original Color

54.0214, 0.2617, 0.2825

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.7919, 0.2925, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0214, 0.2617, 0.2825 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(161, 198, 236)` looks like.

```
.text, #text, p{  
    color:rgb(161, 198, 236)  
}
```

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(161, 198, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 198, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0214, 0.2617, 0.2825 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(161, 198, 236) }
```

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

```
.border{ border-color:rgb(161, 198, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 198, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 198, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 198, 236); box-shadow:4px 4px 4px 4px rgb(161, 198, 236) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0214, 0.2617, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 198, 236) }
```

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

```
.background{ background-color: rgb(161,  
198, 236) }
```

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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