

# Converting Colors

$Yxy(58.2504, 0.2187, 0.2963)$

Have a look what the booklet for  
Yxy(58.2504, 0.2187, 0.2963)  
contains.

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# Color

**Yxy(58.2504, 0.2187, 0.2963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29DCF5
RGB	41, 220, 245
RGB Percent	16%, 86%, 96%
CMY	0.8381, 0.1373, 0.0393
CMYK	0.83, 0.10, 0.00, 0.04
HSL	187°, 91%, 56%
HSV	187°, 83%, 96%
XYZ	42.9948, 58.2504, 95.3474
YIQ	169.3290, -114.7090, -30.1730

# Conversions

## Conversions Part 2

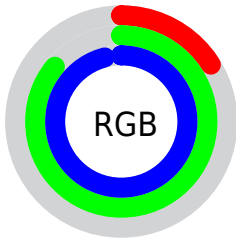
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	41, 136, 245
Decimal	2743541
CIE Lab	80.88, -33.76, -24.31
CIE LCh	81, 41.599, 215.764
Yxy	58.2504, 0.2187, 0.2963
Android (android.graphics.Color)	4280933621 (0xFF29DCF5)
YUV	169.3290, 37.3058, -112.5445
Hunter-Lab	76.3219, -33.0081, -20.6444

# Details

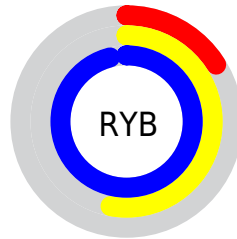
The Yxy color **58.2504, 0.2187, 0.2963** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **23.5010, 0.5879, 0.3452**, and the grayscale version is **39.7452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **30.2250, 0.2129, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **56.3289, 0.2152, 0.2920**, and if you desaturate by 10%, it is **60.5178, 0.2240, 0.3006**.

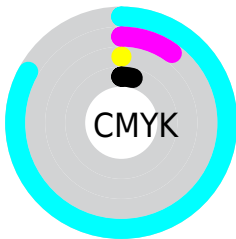
# Distribution



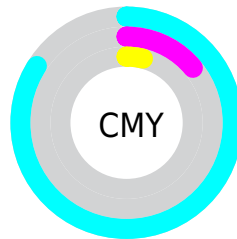
- Red (16%)
- Green (86%)
- Blue (96%)



- Red (16%)
- Yellow (53%)
- Blue (96%)



- Cyan (83%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)




- Cyan (84%)
- Magenta (14%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2504, 0.2187, 0.2963 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 58.2504, 0.2187, 0.2963 by changing the saturation by 10% instead.




 58.2504, 0.2187,  
0.2963

 58.2504, 0.2187,  
0.2963


418.1183, 0.2620,  
0.3135


 42.0100, 0.2090,  
0.2919

 102.2874, 0.2336,  
0.3026


 29.1091, 0.1971,  
0.2863


 130.8528, 0.2394,  
0.3050

 19.1634, 0.1824,  
0.2788


 164.2953, 0.2445,  
0.3070

 11.7884, 0.1636,  
0.2684

 202.9993, 0.2489,  
0.3087

 6.5998, 0.1392,  
0.2534

247.3492, 0.2528,  
0.3101

 3.2131, 0.1070,  
0.2304

297.7294, 0.2562,

 1.2440, 0.0504,

0.3114

0.1954

354.5243, 0.2593,  
0.3125

0.0972, 0.0000,  
0.0448

0.0000, 0.0000,  
0.0000

58.2504, 0.2187,  
0.2963

58.2504, 0.2187,  
0.2963

56.3289, 0.2152,  
0.2920

60.5178, 0.2240,  
0.3006


55.1559, 0.2136,  
0.2891

63.1753, 0.2314,  
0.3050


66.2665, 0.2406,  
0.3093

69.8274, 0.2516,  
0.3135

 73.8900, 0.2641,  
0.3175

 78.4835, 0.2778,  
0.3213

 83.6345, 0.2925,  
0.3248

 89.3680, 0.3078,  
0.3280

 94.3986, 0.3191,  
0.3310

# Harmonies

## Analogous

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



58.2504, 0.2423, 0.3487



58.2504, 0.2187, 0.2963



58.2504, 0.2178, 0.2597

# Triad

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



58.2504, 0.2187, 0.2963



58.2504, 0.3342, 0.2709



58.2504, 0.3866, 0.4192

# Complementary

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



58.2504, 0.2187, 0.2963



23.5010, 0.5879, 0.3452

# 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.



58.2504, 0.4163, 0.3884



58.2504, 0.2187, 0.2963



58.2504, 0.3858, 0.3057

# Square

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



58.2504, 0.2187, 0.2963



58.2504, 0.2803, 0.2489



58.2504, 0.4168, 0.3473



58.2504, 0.3383, 0.4261

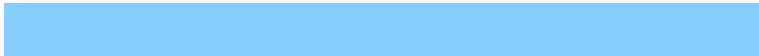


# Rectangle

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



58.2504, 0.2187, 0.2963



58.2504, 0.2297, 0.2470



58.2504, 0.4168, 0.3473



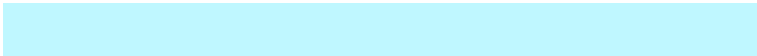
58.2504, 0.3992, 0.4109

# Sweetspot

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



58.2525, 0.2187, 0.2963



84.9602, 0.2751, 0.3206



66.1533, 0.2960, 0.5672



17.7999, 0.2702, 0.3192



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

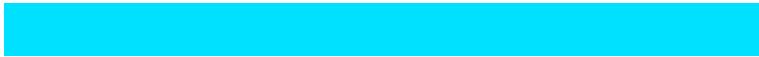


# Same Dimension

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



58.2525, 0.2187, 0.2963



60.3800, 0.2136, 0.2890



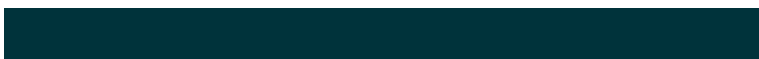
20.3523, 0.1802, 0.1525



18.3904, 0.2981, 0.3260



29.8577, 0.2138, 0.2898



2.7198, 0.2153, 0.2952



# Inverse Universe

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



26.1826, 0.3480, 0.1774



26.6265, 0.3552, 0.1731



47.1729, 0.4823, 0.4387



16.7312, 0.3157, 0.3085



13.1135, 0.3545, 0.1727

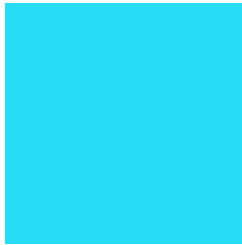


1.1622, 0.3497, 0.1700



# Previews

## White Background



This preview shows how the Yxy color 58.2504, 0.2187, 0.2963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

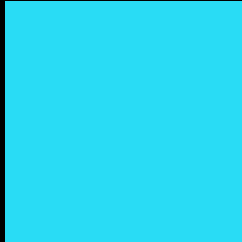
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2504, 0.2187, 0.2963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

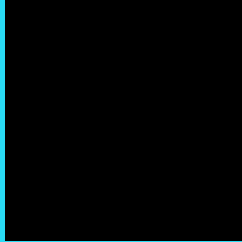
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.2504, 0.2187, 0.2963**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2504, 0.2187, 0.2963.

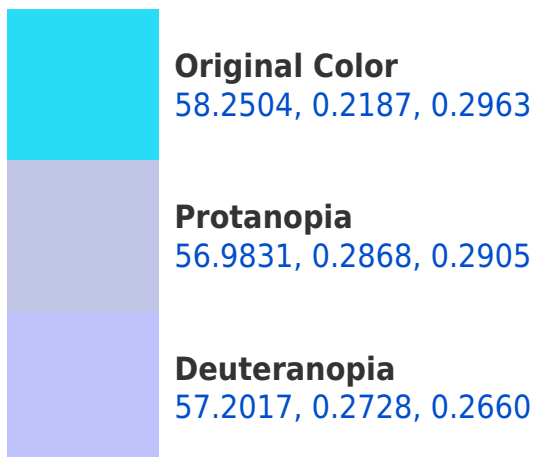


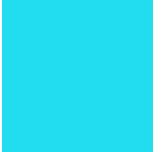
This preview shows how white text looks on a background with the Yxy color 58.2504, 0.2187, 0.2963.

# 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**

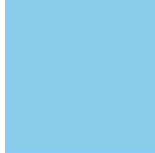
58.2682, 0.2202, 0.3050

# Trichromacy



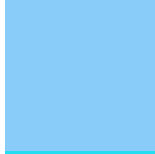
## Original Color

58.2504, 0.2187, 0.2963



## Protanomaly

55.0641, 0.2502, 0.2912



## Deuteranomaly

55.3436, 0.2425, 0.2739



## Tritanomaly

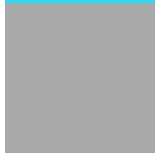
58.4388, 0.2198, 0.3025

# Monochromacy



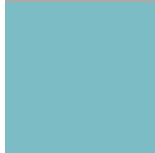
## Original Color

58.2504, 0.2187, 0.2963



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

44.2086, 0.2590, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2504, 0.2187, 0.2963 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(41, 220, 245)` looks like.

```
.text, #text, p{  
    color:rgb(41, 220, 245)  
}
```

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(41, 220, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 220, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2504, 0.2187, 0.2963 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(41, 220, 245) }
```

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

```
.border{ border-color:rgb(41, 220, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 220, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 220, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 220, 245);  
box-shadow:4px 4px 4px 4px rgb(41, 220,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2504, 0.2187, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 220, 245) }
```

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

```
.background{ background-color: rgb(41, 220,  
245) }
```

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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