

# Converting Colors

$Yxy(28.7336, 0.2048, 0.2572)$

Have a look what the booklet for  
Yxy(28.7336, 0.2048, 0.2572)  
contains.

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# Color

**Yxy(28.7180, 0.2047, 0.2568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009ECA
RGB	0, 158, 202
RGB Percent	0%, 62%, 79%
CMY	0.9985, 0.3804, 0.2078
CMYK	1.00, 0.22, 0.00, 0.21
HSL	193°, 100%, 40%
HSV	193°, 100%, 79%
XYZ	22.8916, 28.7180, 60.2206
YIQ	115.7740, -108.2920, -19.8120

# Conversions

## Conversions Part 2

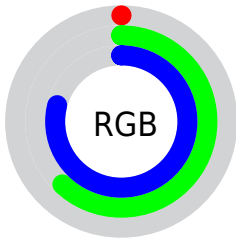
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 89, 202
Decimal	40650
CIE <sub>Lab</sub>	60.53, -18.79, -32.22
CIE <sub>LCh</sub>	61, 37.297, 239.747
Yxy	28.7180, 0.2047, 0.2568
Android (android.graphics.Color)	4278230730 (0xFF009ECA)
YUV	115.7740, 42.5094, -101.5338
Hunter-Lab	53.5892, -17.5314, -29.1144

# Details

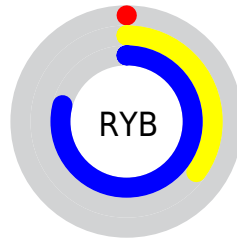
The Yxy color **28.7180, 0.2047, 0.2568** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.3898, 0.6147, 0.3499**, and the grayscale version is **17.3201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5178, 0.2266, 0.2767**, and **12.6535, 0.1995, 0.2380** is the 20% darker color. If you saturate the color by 10%, you get **28.6887, 0.2046, 0.2567**, and if you desaturate by 10%, it is **30.4029, 0.2086, 0.2647**.

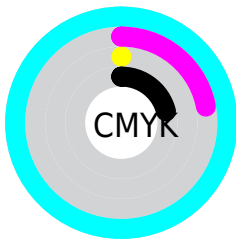
# Distribution



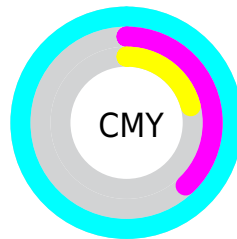
- Red (0%)
- Green (62%)
- Blue (79%)



- Red (0%)
- Yellow (35%)
- Blue (79%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)




- Cyan (100%)
- Magenta (38%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7180, 0.2047, 0.2568 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 28.7180, 0.2047, 0.2568 by changing the saturation by 10% instead.




 28.7180, 0.2047,  
0.2568


 28.7180, 0.2047,  
0.2568


 295.8821, 0.2600,  
0.2962


 18.8676, 0.1909,  
0.2461


 57.6287, 0.2249,  
0.2718


 11.5746, 0.1733,  
0.2319


 77.4579, 0.2325,  
0.2773


 6.4548, 0.1504,  
0.2125


 101.3820, 0.2389,  
0.2818

 3.1235, 0.1200,  
0.1849

 129.7856, 0.2443,  
0.2856

 1.1966, 0.0783,  
0.1442

 163.0530, 0.2491,  
0.2888

 0.0589, 0.0000,  
0.0190

 201.5686, 0.2532,

 0.0000, 0.0000,

0.2916

0.0000

245.7168, 0.2568,  
0.2941

■ 28.7180, 0.2047,  
0.2568

■ 28.7180, 0.2047,  
0.2568

■ 28.6887, 0.2046,  
0.2567

■ 30.4029, 0.2086,  
0.2647

■ 32.3011, 0.2141,  
0.2727

■ 34.4668, 0.2215,  
0.2808

■ 36.9295, 0.2308,  
0.2887

■ 39.7139, 0.2419,  
0.2965

■ 42.8419, 0.2544,  
0.3039

■ 46.3331, 0.2681,  
0.3110

■ 50.2057, 0.2826,  
0.3175

■ 54.4763, 0.2977,  
0.3236

# Harmonies

## Analogous

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



28.7180, 0.2105, 0.3020



28.7180, 0.2047, 0.2568



28.7180, 0.2235, 0.2355

# Triad

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



28.7180, 0.2047, 0.2568



28.7180, 0.3851, 0.2938



28.7180, 0.3526, 0.4411

# Complementary

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



28.7180, 0.2047, 0.2568



14.3898, 0.6147, 0.3499

# 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.



28.7180, 0.4044, 0.4248



28.7180, 0.2047, 0.2568



28.7180, 0.4266, 0.3389

# Square

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



28.7180, 0.2047, 0.2568



28.7180, 0.3239, 0.2577



28.7180, 0.4329, 0.3857



28.7180, 0.2928, 0.4193



# Rectangle

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



28.7180, 0.2047, 0.2568



28.7180, 0.2489, 0.2340



28.7180, 0.4329, 0.3857



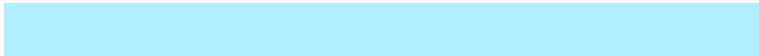
28.7180, 0.3715, 0.4393

# Sweetspot

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



28.7190, 0.2047, 0.2568



78.0681, 0.2673, 0.3105



42.4314, 0.2938, 0.5776



16.1560, 0.2613, 0.3076



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

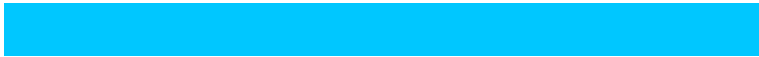


# Same Dimension

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



28.7190, 0.2047, 0.2568



48.2202, 0.2043, 0.2556



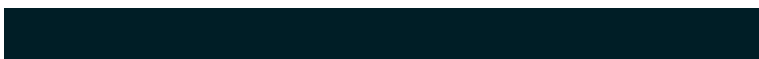
7.2437, 0.1598, 0.0953



12.2953, 0.2983, 0.3238



18.5942, 0.2049, 0.2577



1.0650, 0.2092, 0.2732



# Inverse Universe

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



15.0348, 0.3855, 0.1898



25.3990, 0.3867, 0.1904



32.7736, 0.4803, 0.4567



11.3602, 0.3170, 0.3111



9.6801, 0.3846, 0.1892



0.5101, 0.3698, 0.1811



# Previews

## White Background



This preview shows how the Yxy color 28.7180, 0.2047, 0.2568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7180, 0.2047, 0.2568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

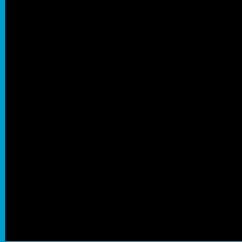
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.7180, 0.2047, 0.2568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.7180, 0.2047, 0.2568.



This preview shows how white text looks on a background with the Yxy color 28.7180, 0.2047, 0.2568.

# 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

28.7180, 0.2047, 0.2568

### Protanopia

28.3120, 0.2606, 0.2567

### Deuteranopia

28.5652, 0.2441, 0.2391



## Tritanopia

28.5457, 0.2182, 0.3056

# Trichromacy



## Original Color

28.7180, 0.2047, 0.2568



## Protanomaly

27.0048, 0.2259, 0.2532



## Deuteranomaly

27.4742, 0.2186, 0.2423



## Tritanomaly

28.6023, 0.2131, 0.2872

# Monochromacy



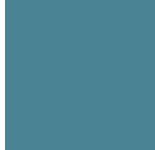
## Original Color

28.7180, 0.2047, 0.2568



## Achromatopsia

17.4647, 0.3127, 0.3290



## Achromatomaly

19.7950, 0.2434, 0.2973

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.7180, 0.2047, 0.2568 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(0, 158, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 202)  
}
```

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(0, 158, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 28.7180, 0.2047, 0.2568 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(0, 158, 202) }
```

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

```
.border{ border-color:rgb(0, 158, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.7180, 0.2047, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 202) }
```

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

```
.background{ background-color: rgb(0, 158,  
202) }
```

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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