

# Converting Colors

$Y_{xy}(31.5540, 0.2613, 0.3294)$

Have a look what the booklet for  
Yxy(31.5540, 0.2613, 0.3294)  
contains.

<b>Yxy(31.6054, 0.2609, 0.3288)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(31.6054, 0.2609, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65A3A3
RGB	101, 163, 163
RGB Percent	40%, 64%, 64%
CMY	0.6038, 0.3608, 0.3607
CMYK	0.38, 0.00, 0.00, 0.36
HSL	180°, 25%, 52%
HSV	180°, 38%, 64%
XYZ	25.0786, 31.6054, 39.4395
YIQ	144.4620, -36.9520, -13.1440

# Conversions

## Conversions Part 2

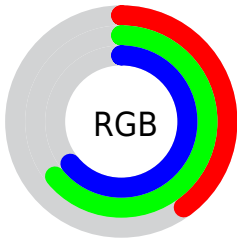
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 132, 163
Decimal	6661027
CIELab	63.02, -19.89, -6.33
CIElCh	63, 20.873, 197.665
Yxy	31.6054, 0.2609, 0.3288
Android (android.graphics.Color)	4284851107 (0xFF65A3A3)
YUV	144.4620, 9.1392, -38.1162
Hunter-Lab	56.2187, -18.7555, -2.2410

# Details

The Yxy color **31.6054, 0.2609, 0.3288** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.0473, 0.4036, 0.3293**, and the grayscale version is **28.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1733, 0.2711, 0.3289**, and **13.1450, 0.2444, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **30.7543, 0.2505, 0.3288**, and if you desaturate by 10%, it is **32.6457, 0.2729, 0.3289**.

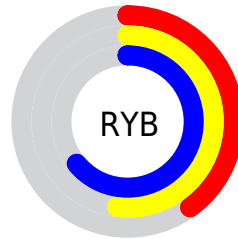
# Distribution



Red (40%)

Green (64%)

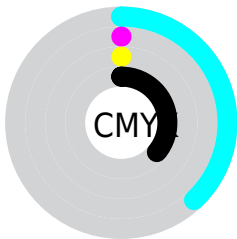
Blue (64%)



Red (40%)

Yellow (52%)

Blue (64%)

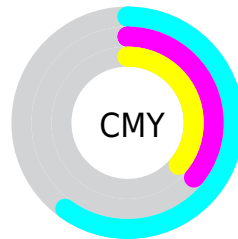


Cyan (38%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (36%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6054, 0.2609, 0.3288 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 31.6054, 0.2609, 0.3288 by changing the saturation by 10% instead.





 31.6054, 0.2609,  
0.3288


 31.6054, 0.2609,  
0.3288


309.3178, 0.2881,  
0.3294

 21.0603, 0.2537,  
0.3285


 62.1920, 0.2711,  
0.3291

 13.1681, 0.2441,  
0.3279


 83.0022, 0.2748,  
0.3292

 7.5444, 0.2310,  
0.3269


 108.0029, 0.2780,  
0.3293

 3.8048, 0.2117,  
0.3249

 137.5785, 0.2806,  
0.3293

 1.5650, 0.1811,  
0.3203

172.1134, 0.2829,  
0.3293

 0.3338, 0.0000,  
0.2928

211.9920, 0.2849,

 0.0000, 0.0000,

0.3294

0.0000

257.5987, 0.2866,  
0.3294

■ 31.6054, 0.2609,  
0.3288

■ 31.6054, 0.2609,  
0.3288

■ 30.7543, 0.2505,  
0.3288

■ 32.6457, 0.2729,  
0.3289

■ 30.0775, 0.2418,  
0.3287

■ 33.8816, 0.2862,  
0.3289

■ 29.5640, 0.2349,  
0.3287


■ 35.3238, 0.3006,  
0.3290

■ 29.2000, 0.2299,  
0.3287

■ 36.9811, 0.3157,  
0.3290


■ 28.9694, 0.2267,  
0.3286


■ 38.8619, 0.3314,  
0.3291

 28.8439, 0.2249,  
0.3286

 40.9740, 0.3472,  
0.3291

 28.8227, 0.2246,  
0.3286

 43.3250, 0.3631,  
0.3292

 45.9219, 0.3787,  
0.3292

 48.7717, 0.3939,  
0.3293

# Harmonies

## Analogous

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



31.6054, 0.2846, 0.3603



31.6054, 0.2609, 0.3288



31.6054, 0.2508, 0.2994

# Triad

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



31.6054, 0.2609, 0.3288



31.6054, 0.3060, 0.2819



31.6054, 0.3719, 0.3763

# Complementary

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



31.6054, 0.2609, 0.3288



18.0473, 0.4036, 0.3293

# 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.



31.6054, 0.3789, 0.3531



31.6054, 0.2609, 0.3288



31.6054, 0.3397, 0.3002

# Square

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



31.6054, 0.2609, 0.3288



31.6054, 0.2757, 0.2745



31.6054, 0.3670, 0.3256



31.6054, 0.3487, 0.3881



# Rectangle

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



31.6054, 0.2609, 0.3288



31.6054, 0.2526, 0.2852



31.6054, 0.3670, 0.3256



31.6054, 0.3762, 0.3694

# Sweetspot

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



31.6066, 0.2609, 0.3288



62.3812, 0.2959, 0.3289



29.9112, 0.3074, 0.4416



13.9350, 0.2941, 0.3289



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



31.6066, 0.2609, 0.3288



55.2238, 0.2516, 0.3288



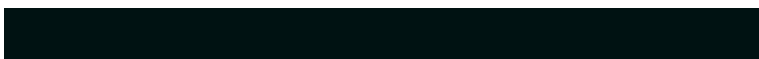
21.9231, 0.2530, 0.2741



8.0107, 0.2988, 0.3290



22.3937, 0.2246, 0.3286



0.4707, 0.2246, 0.3287



# Inverse Universe

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



19.7461, 0.3171, 0.2374



30.7792, 0.3180, 0.2178



25.2387, 0.3850, 0.3779



7.2021, 0.3138, 0.3069



8.1048, 0.3210, 0.1542



0.1703, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 31.6054, 0.2609, 0.3288 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 31.6054, 0.2609, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

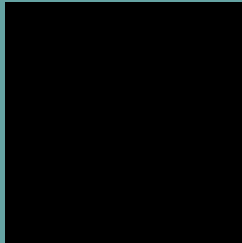
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

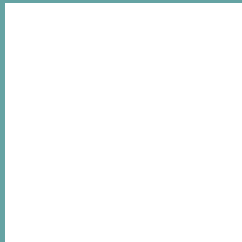
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 31.6054, 0.2609, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.6054, 0.2609, 0.3288.

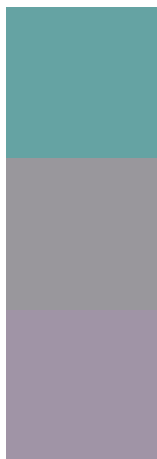


This preview shows how white text looks on a background with the Yxy color 31.6054, 0.2609, 0.3288.

# 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

31.6054, 0.2609, 0.3288

### Protanopia

31.3058, 0.3101, 0.3214

### Deuteranopia

31.4066, 0.3079, 0.3025



## Tritanopia

31.4888, 0.2550, 0.3077

# Trichromacy



## Original Color

31.6054, 0.2609, 0.3288

## Protanomaly

31.0142, 0.2893, 0.3226

## Deuteranomaly

30.9880, 0.2887, 0.3103

## Tritanomaly

31.6265, 0.2573, 0.3157

# Monochromacy



## Original Color

31.6054, 0.2609, 0.3288

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

28.9568, 0.2903, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.6054, 0.2609, 0.3288 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(101, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(101, 163, 163)  
}
```

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(101, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 163, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 31.6054, 0.2609, 0.3288 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(101, 163, 163) }
```

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

```
.border{ border-color:rgb(101, 163, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(101, 163,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.6054, 0.2609, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 163, 163) }
```

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

```
.background{ background-color: rgb(101,  
163, 163) }
```

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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