

# Converting Colors

XYZ(29.5051, 29.6774, 29.7644)

Have a look what the booklet for  
XYZ(29.5051, 29.6774, 29.7644)  
contains.

<b>XYZ(29.5051, 29.6774, 29.7644)</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> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.5051, 29.6774,  
29.7644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0918E
RGB	160, 145, 142
RGB Percent	63%, 57%, 56%
CMY	0.3725, 0.4314, 0.4431
CMYK	0.00, 0.09, 0.11, 0.37
HSL	10°, 9%, 59%
HSV	10°, 11%, 63%
XYZ	29.5051, 29.6774, 29.7644
YIQ	149.1430, 9.9030, 2.2470

# Conversions

## Conversions Part 2

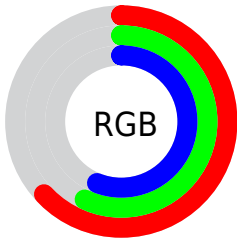
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 146, 142
Decimal	10523022
CIE Lab	61.37, 5.04, 3.60
CIE LCh	61, 6.194, 35.585
Yxy	29.6774, 0.3317, 0.3337
Android (android.graphics.Color)	4288713102 (0xFFA0918E)
YUV	149.1430, -3.5215, 9.5216
Hunter-Lab	54.4770, 1.3421, 5.7398

# Details

The XYZ color **29.5051, 29.6774, 29.7644** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.5573, 32.4021, 37.9544**, and the grayscale version is **28.6394, 30.1308, 32.8125**.

A 20% lighter version of the original color is **58.4116, 59.2794, 60.5880**, and **12.2083, 12.1453, 11.8260** is the 20% darker color. If you saturate the color by 10%, you get **26.4703, 25.3941, 23.2454**, and if you desaturate by 10%, it is **32.9530, 34.5104, 37.2726**.

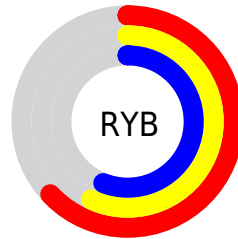
# Distribution



Red (63%)

Green (57%)

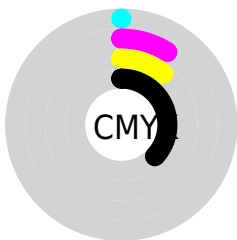
Blue (56%)



Red (63%)

Yellow (57%)

Blue (56%)

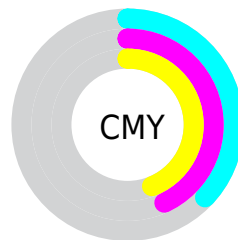


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (37%)



Cyan (37%)

Magenta (43%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5051, 29.6774, 29.7644 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 XYZ color 29.5051, 29.6774, 29.7644 by changing the saturation by 10% instead.



■ 29.5051, 29.6774,  
29.7644

■ 29.5051, 29.6774,  
29.7644

291.5422,  
300.3978, 314.9778

■ 19.6095, 19.5939,  
19.4093

■ 58.2707, 59.1516,  
60.3460

■ 12.2181, 12.1002,  
11.7866

■ 77.8713, 79.3111,  
81.4096

■ 6.9656, 6.8119,  
6.4778

101.4376,  
103.5980, 106.8797

■ 3.4868, 3.3448,  
3.0643

129.3350,  
132.3967, 137.1749

■ 1.4161, 1.3143,  
1.1275

161.9288,  
166.0917, 172.7138

■ 0.2676, 0.1522,  
0.0000

199.5843,

■ 0.0000, 0.0000,

205.0673, 213.9149

0.0000

242.6670,  
249.7079, 261.1967

■ 29.5051, 29.6774,  
29.7644

■ 29.5051, 29.6774,  
29.7644

■ 26.4703, 25.3941,  
23.2454

■ 32.9530, 34.5104,  
37.2726

■ 23.8307, 21.6372,  
17.6725

■ 36.8264, 39.9075,  
45.8070

■ 21.5706, 18.3874,  
13.0021

■ 41.1399, 45.8877,  
55.4048

■ 19.6721, 15.6229,  
9.1866

■ 45.9069, 52.4677,  
66.1011

■ 18.1162, 13.3202,  
6.1738

■ 51.1403, 59.6635,  
77.9291

■ 16.8819, 11.4538,  
3.9059

■ 56.8522, 67.4908,  
90.9206

■ 15.9459, 9.9957,  
2.3173

■ 63.0544, 75.9644,  
105.1065

■ 15.2812, 8.9146,  
1.3308

■ 67.2478, 84.0945,  
107.2953

■ 14.8823, 8.2436,  
0.8068

■ 68.3073, 86.2137,  
107.6485

# Harmonies

## Analogous

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



29.8008, 29.6774, 31.8775



29.5051, 29.6774, 29.7644



28.8621, 29.6774, 28.3857

# Triad

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



29.5051, 29.6774, 29.7644



26.8004, 29.6774, 30.4885



28.3607, 29.6774, 37.0038

# Complementary

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



29.5051, 29.6774, 29.7644



29.5573, 32.4021, 37.9544

# 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.



27.5628, 29.6774, 36.5882



29.5051, 29.6774, 29.7644



26.6719, 29.6774, 32.7537

# Square

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



29.5051, 29.6774, 29.7644



27.3027, 29.6774, 28.7894



26.9485, 29.6774, 35.0044



29.1320, 29.6774, 36.1143



# Rectangle

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



29.5051, 29.6774, 29.7644



28.3286, 29.6774, 28.0302



26.9485, 29.6774, 35.0044



28.0867, 29.6774, 37.0126

# Sweetspot

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



29.5059, 29.6787, 29.7650



58.6445, 60.9991, 65.0750



30.2564, 29.2543, 35.9506



12.7511, 13.2234, 14.0305



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



29.5059, 29.6787, 29.7650



52.4120, 52.2525, 51.5343



30.9356, 32.5382, 30.2416



6.7181, 6.8161, 6.9472



11.6161, 6.4678, 0.6362



0.2296, 0.1595, 0.0187



# Inverse Universe

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



29.5573, 32.4021, 37.9544



52.5202, 57.9981, 68.8132



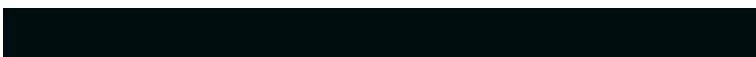
28.0908, 29.4691, 37.4656



6.7276, 7.3210, 8.4652



11.5367, 15.1650, 28.2263



0.2291, 0.3168, 0.5123



# Previews

## White Background



This preview shows how the XYZ color 29.5051, 29.6774, 29.7644 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

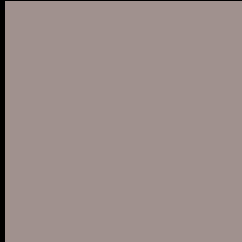
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.5051, 29.6774, 29.7644 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](#).

# XYZ 29.5051, 29.6774, 29.7644

## Background



This preview shows how black text looks on a background with the XYZ color 29.5051, 29.6774, 29.7644.



This preview shows how white text looks on a background with the XYZ color 29.5051, 29.6774,



# 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

29.5051, 29.6774, 29.7644

### Protanopia

28.4967, 29.8384, 30.2440

### Deuteranopia

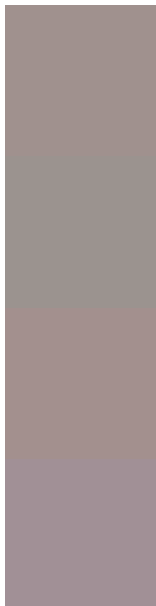
30.2220, 29.5972, 29.7112



## Tritanopia

30.5555, 29.6594, 34.6862

# Trichromacy



## Original Color

29.5051, 29.6774, 29.7644

## Protanomaly

28.9092, 29.8192, 30.2186

## Deuteranomaly

29.9600, 29.6860, 29.7421

## Tritanomaly

30.1762, 29.7256, 33.0013

# Monochromacy



## Original Color

29.5051, 29.6774, 29.7644

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

28.9151, 30.0274, 31.4660

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5051, 29.6774, 29.7644 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(160, 145, 142)` looks like.

```
.text, #text, p{  
    color:rgb(160, 145, 142)  
}
```

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(160, 145, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 145, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5051, 29.6774, 29.7644 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(160, 145, 142) }
```



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

```
.border{ border-color:rgb(160, 145, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 145, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 145, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 145, 142);  
box-shadow:4px 4px 4px 4px rgb(160, 145,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5051, 29.6774, 29.7644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 145, 142) }
```

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

```
.background{ background-color: rgb(160,  
145, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor