

# Converting Colors

XYZ(26.6771, 27.9615, 30.4061)

Have a look what the booklet for  
XYZ(26.6771, 27.9615, 30.4061)  
contains.

<b>XYZ(26.6844, 27.9799, 30.3798)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(26.6844, 27.9799,  
30.3798)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	919090
RGB	145, 144, 144
RGB Percent	57%, 56%, 56%
CMY	0.4314, 0.4353, 0.4353
CMYK	0.00, 0.01, 0.01, 0.43
HSL	0°, 0%, 57%
HSV	0°, 1%, 57%
XYZ	26.6844, 27.9799, 30.3798
YIQ	144.2990, 0.5960, 0.2120

# Conversions

## Conversions Part 2

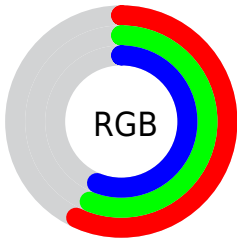
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 144, 144
Decimal	9539728
CIE Lab	59.87, 0.37, 0.12
CIE LCh	60, 0.390, 18.332
Yxy	27.9799, 0.3138, 0.3290
Android (android.graphics.Color)	4287729808 (0xFF919090)
YUV	144.2990, -0.1474, 0.6148
Hunter-Lab	52.8960, -2.5204, 2.9752

# Details

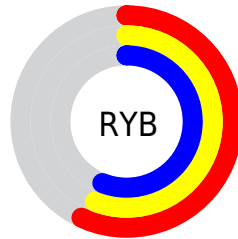
The XYZ color **26.6844, 27.9799, 30.3798** is a light color, and the websafe version is hex **999999**. A complement of this color would be **26.7379, 28.2242, 30.8271**, and the grayscale version is **26.6309, 28.0178, 30.5113**.

A 20% lighter version of the original color is **53.9403, 56.6075, 61.5095**, and **10.7424, 11.2465, 12.1943** is the 20% darker color. If you saturate the color by 10%, you get **23.5947, 23.4614, 24.2288**, and if you desaturate by 10%, it is **30.1987, 33.1191, 37.3754**.

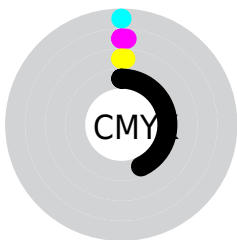
# Distribution



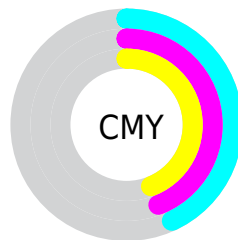
- Red (57%)
- Green (56%)
- Blue (56%)



- Red (57%)
- Yellow (56%)
- Blue (56%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (43%)



- Cyan (43%)
- Magenta (44%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6844, 27.9799, 30.3798 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 26.6844, 27.9799, 30.3798 by changing the saturation by 10% instead.



■ 26.6844, 27.9799,  
30.3798

■ 26.6844, 27.9799,  
30.3798

278.3213,  
292.3709, 317.9330

■ 17.4717, 18.3105,  
19.8726

■ 53.8005, 56.4524,  
61.3304

■ 10.6688, 11.1731,  
12.1193

■ 72.4346, 76.0242,  
82.6108

■ 5.9102, 6.1834,  
6.7014

■ 94.9398, 99.6657,  
108.3193

■ 2.8307, 2.9569,  
3.2005

121.6817,  
127.7611, 138.8746

■ 1.0649, 1.1093,  
1.1979

153.0253,  
160.6950, 174.6950

■ 0.0000, 0.0000,  
0.0000

189.3363,

198.8516, 216.1992

230.9798,  
242.6154, 263.8057

■ 26.6844, 27.9799,  
30.3798

■ 26.6844, 27.9799,  
30.3798

■ 23.5947, 23.4614,  
24.2288

■ 30.1987, 33.1191,  
37.3754

■ 20.9113, 19.5367,  
18.8887

■ 34.1504, 38.8975,  
45.2439

■ 18.6181, 16.1821,  
14.3262

■ 38.5547, 45.3372,  
54.0145

■ 16.6968, 13.3713,  
10.5051

■ 43.4252, 52.4583,  
63.7148

■ 15.1279, 11.0755,  
7.3863

■ 48.7750, 60.2799,  
74.3708

■ 13.8900, 9.2636,  
4.9269

■ 54.6168, 68.8205,  
86.0077

■ 12.9594, 7.9010,  
3.0797

■ 60.9628, 78.0977,  
98.6498

■ 12.3092, 6.9483,  
1.7910

■ 65.4873, 84.7599,  
107.5165

■ 11.9080, 6.3598,  
0.9978

# Harmonies

## Analogous

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



26.6873, 27.9799, 30.5204



26.6844, 27.9799, 30.3798



26.6573, 27.9799, 30.2624

# Triad

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



26.6844, 27.9799, 30.3798



26.5231, 27.9799, 30.2847



26.5748, 27.9799, 30.7328

# Complementary

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



26.6844, 27.9799, 30.3798



26.7379, 28.2242, 30.8271

# 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.



26.5309, 27.9799, 30.6692



26.6844, 27.9799, 30.3798



26.5011, 27.9799, 30.4103

# Square

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



26.6844, 27.9799, 30.3798



26.5642, 27.9799, 30.2076



26.5039, 27.9799, 30.5511



26.6240, 27.9799, 30.7245



# Rectangle

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



26.6844, 27.9799, 30.3798



26.6292, 27.9799, 30.2130



26.5039, 27.9799, 30.5511



26.5590, 27.9799, 30.7191

# Sweetspot

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



26.6852, 27.9811, 30.3804



48.1978, 50.7079, 55.2208



26.7616, 28.0111, 30.7847



10.7221, 11.2805, 12.2844



69.3244, 72.9347, 79.4259

# Same Dimension

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



26.6852, 27.9811, 30.3804



47.5932, 49.8237, 54.0173



26.7607, 28.1322, 30.4056



5.9887, 6.2725, 6.8036



10.0195, 5.1708, 0.4700



0.0960, 0.0498, 0.0046



# Inverse Universe

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



26.7379, 28.2242, 30.8271



47.7327, 50.4665, 55.1988



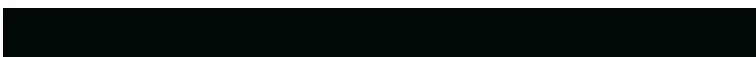
26.6620, 28.0724, 30.8018



6.0044, 6.3451, 6.9370



13.0209, 19.0278, 25.9635



0.1247, 0.1824, 0.2483



# Previews

## White Background



This preview shows how the XYZ color 26.6844, 27.9799, 30.3798 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 26.6844, 27.9799, 30.3798 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

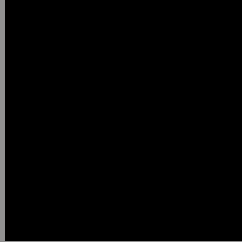
Any Text WCAG AAA × Fail

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



**XYZ 26.6844, 27.9799, 30.3798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.6844, 27.9799, 30.3798.



This preview shows how white text looks on a background with the XYZ color 26.6844, 27.9799,



# 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

26.6844, 27.9799, 30.3798

### Protanopia

26.8891, 27.8616, 30.3462

### Deuteranopia

28.5895, 28.0696, 30.6992



## Tritanopia

27.3598, 27.7901, 34.4939

# Trichromacy



## Original Color

26.6844, 27.9799, 30.3798

## Protanomaly

26.7106, 27.7695, 30.3378

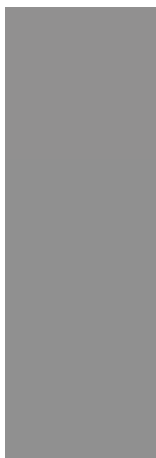
## Deuteranomaly

27.7726, 27.8664, 30.7030

## Tritanomaly

27.1815, 27.9579, 32.8180

# Monochromacy



## Original Color

26.6844, 27.9799, 30.3798

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

26.5089, 27.8894, 30.3716

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.6844, 27.9799, 30.3798 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(145, 144, 144)` looks like.

```
.text, #text, p{  
    color:rgb(145, 144, 144)  
}
```

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(145, 144, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 144, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 26.6844, 27.9799, 30.3798 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(145, 144, 144) }
```

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

```
.border{ border-color:rgb(145, 144, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 144, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 144, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 144, 144);  
box-shadow:4px 4px 4px 4px rgb(145, 144,  
144) }
```



# Background

The CSS property to change the background color of an element to XYZ 26.6844, 27.9799, 30.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 144, 144) }
```

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

```
.background{ background-color: rgb(145,  
144, 144) }
```

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