

# Converting Colors

XYZ(24.7423, 27.7240, 29.7891)

Have a look what the booklet for  
XYZ(24.7423, 27.7240, 29.7891)  
contains.

<b>XYZ(24.6763, 27.6457, 29.6268)</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(24.6763, 27.6457,  
29.6268)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83938E
RGB	131, 147, 142
RGB Percent	51%, 58%, 56%
CMY	0.4863, 0.4235, 0.4431
CMYK	0.11, 0.00, 0.03, 0.42
HSL	161°, 7%, 55%
HSV	161°, 11%, 58%
XYZ	24.6763, 27.6457, 29.6268
YIQ	141.6460, -7.9310, -4.9470

# Conversions

## Conversions Part 2

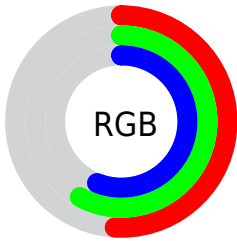
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 140, 147
Decimal	8622990
CIE <sub>Lab</sub>	59.57, -6.75, 0.69
CIE <sub>LCh</sub>	60, 6.786, 174.177
Yxy	27.6457, 0.3011, 0.3374
Android (android.graphics.Color)	4286813070 (0xFF83938E)
YUV	141.6460, 0.1745, -9.3365
Hunter-Lab	52.5792, -8.2405, 3.3973

# Details

The XYZ color **24.6763, 27.6457, 29.6268** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.5939, 24.2140, 26.6714**, and the grayscale version is **25.5736, 26.9054, 29.3000**.

A 20% lighter version of the original color is **50.6176, 55.9492, 60.3560**, and **9.5943, 10.9323, 11.7297** is the 20% darker color. If you saturate the color by 10%, you get **22.2213, 26.4199, 27.7483**, and if you desaturate by 10%, it is **27.4702, 29.0461, 31.5966**.

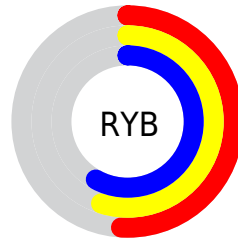
# Distribution



Red (51%)

Green (58%)

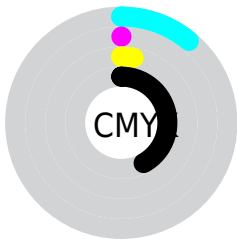
Blue (56%)



Red (51%)

Yellow (55%)

Blue (58%)

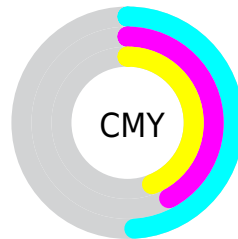


Cyan (11%)

Magenta (0%)

Yellow (3%)

Black (42%)



Cyan (49%)

Magenta (42%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6763, 27.6457, 29.6268 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 24.6763, 27.6457, 29.6268 by changing the saturation by 10% instead.



■ 24.6763, 27.6457,  
29.6268

■ 24.6763, 27.6457,  
29.6268

268.5995,  
290.7700, 314.3140

■ 15.9635, 18.0588,  
19.3058

■ 50.5783, 55.9183,  
60.1255

■ 9.5890, 10.9922,  
11.7124

■ 68.4982, 75.3727,  
81.1403

■ 5.1875, 6.0616,  
6.4280

■ 90.2178, 98.8851,  
106.5568

■ 2.3936, 2.8826,  
3.0341

116.1025,  
126.8398, 136.7936

■ 0.8419, 1.0707,  
1.1121

146.5177,  
159.6213, 172.2692

■ 0.0000, 0.0000,  
0.0000

181.8287,

197.6139, 213.4021

222.4008,  
241.2020, 260.6108

■ 24.6763, 27.6457,  
29.6268

■ 24.6763, 27.6457,  
29.6268

■ 22.2213, 26.4199,  
27.7483

■ 27.4702, 29.0461,  
31.5966

■ 20.0891, 25.3582,  
25.9576

■ 30.6134, 30.6241,  
33.6573

■ 18.2659, 24.4541,  
24.2540

■ 34.1191, 32.3873,  
35.8110

■ 16.7358, 23.6995,  
22.6356

■ 37.9988, 34.3416,  
38.0590

■ 15.4815, 23.0856,  
21.1007

■ 42.2636, 36.4928,  
40.4026

■ 14.4839, 22.6024,  
19.6476

■ 46.9241, 38.8462,  
42.8433

■ 13.7213, 22.2389,  
18.2741

■ 51.9906, 41.4071,  
45.3822

■ 13.1683, 21.9819,  
16.9782

■ 57.4728, 44.1805,  
48.0206

■ 12.7857, 21.8090,  
15.8608

■ 60.2588, 45.5622,  
50.6136

# Harmonies

## Analogous

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



24.9672, 27.6457, 27.4318



24.6763, 27.6457, 29.6268



24.8065, 27.6457, 32.0690

# Triad

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



24.6763, 27.6457, 29.6268



26.9547, 27.6457, 34.5992



27.2493, 27.6457, 26.4468

# Complementary

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



24.6763, 27.6457, 29.6268



24.5939, 24.2140, 26.6714

# 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.



27.8032, 27.6457, 28.2161



24.6763, 27.6457, 29.6268



27.6306, 27.6457, 32.9389

# Square

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



24.6763, 27.6457, 29.6268



26.1101, 27.6457, 35.0270



27.9442, 27.6457, 30.5812



26.4434, 27.6457, 25.6608



# Rectangle

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



24.6763, 27.6457, 29.6268



25.1161, 27.6457, 33.4994



27.9442, 27.6457, 30.5812



27.4719, 27.6457, 26.9415

# Sweetspot

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



24.6771, 27.6469, 29.6274



48.0518, 51.4429, 55.8012



24.6955, 27.7471, 25.5274



10.8791, 11.6981, 12.6758



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



24.6771, 27.6469, 29.6274



43.0897, 48.9585, 52.2400



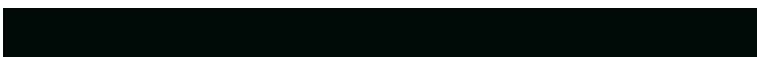
24.6108, 26.8997, 31.5001



5.8877, 6.5317, 7.0196



11.0955, 18.9110, 13.8101



0.1491, 0.2368, 0.2392



# Inverse Universe

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



24.5939, 24.2140, 26.6714



42.9111, 41.5846, 45.8908



24.6462, 24.8743, 24.9755



5.8710, 5.8435, 6.4270



10.8685, 5.5525, 2.7886



0.1451, 0.0728, 0.0980



# Previews

## White Background



This preview shows how the XYZ color 24.6763, 27.6457, 29.6268 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 24.6763, 27.6457, 29.6268 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

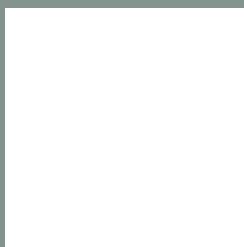
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.6763, 27.6457, 29.6268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.6763, 27.6457, 29.6268.



This preview shows how white text looks on a background with the XYZ color 24.6763, 27.6457,



# 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

24.6763, 27.6457, 29.6268

### Protanopia

26.5887, 27.7414, 28.7642

### Deuteranopia

28.1713, 27.6470, 30.2372



## Tritanopia

25.7990, 27.6376, 35.4273

# Trichromacy



## Original Color

24.6763, 27.6457, 29.6268

## Protanomaly

25.7655, 27.5323, 29.1556

## Deuteranomaly

26.8437, 27.6251, 29.9040

## Tritanomaly

25.3805, 27.6977, 33.2866

# Monochromacy



## Original Color

24.6763, 27.6457, 29.6268

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

25.3370, 27.3028, 29.5257

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.6763, 27.6457, 29.6268 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(131, 147, 142)` looks like.

```
.text, #text, p{  
    color:rgb(131, 147, 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(131, 147, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 147, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 24.6763, 27.6457, 29.6268 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(131, 147, 142) }
```



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

```
.border{ border-color:rgb(131, 147, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 147, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 147, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 147, 142);  
box-shadow:4px 4px 4px 4px rgb(131, 147,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.6763, 27.6457, 29.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 147, 142) }
```

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

```
.background{ background-color: rgb(131,  
147, 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