

# Converting Colors

XYZ(22.5456, 28.0026, 25.9015)

Have a look what the booklet for  
XYZ(22.5456, 28.0026, 25.9015)  
contains.

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# Color

**XYZ(22.6263, 28.0932,  
26.0598)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	739984
RGB	115, 153, 132
RGB Percent	45%, 60%, 52%
CMY	0.5490, 0.4000, 0.4823
CMYK	0.25, 0.00, 0.14, 0.40
HSL	147°, 16%, 53%
HSV	147°, 25%, 60%
XYZ	22.6263, 28.0932, 26.0598
YIQ	139.2440, -15.9070, -14.5870

# Conversions

## Conversions Part 2

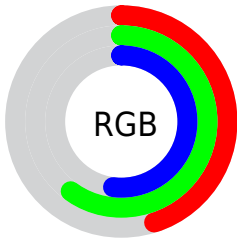
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 141, 153
Decimal	7575940
CIELab	59.97, -17.59, 6.81
CIELCh	60, 18.861, 158.826
Yxy	28.0932, 0.2947, 0.3659
Android (android.graphics.Color)	4285766020 (0xFF739984)
YUV	139.2440, -3.5713, -21.2620
Hunter-Lab	53.0030, -16.5560, 7.9512

# Details

The XYZ color **22.6263, 28.0932, 26.0598** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.7125, 20.8120, 26.0610**, and the grayscale version is **24.6529, 25.9368, 28.2452**.

A 20% lighter version of the original color is **47.2182, 56.4533, 54.3068**, and **8.5595, 11.2855, 9.9108** is the 20% darker color. If you saturate the color by 10%, you get **20.2236, 26.9195, 23.0485**, and if you desaturate by 10%, it is **25.4114, 29.4601, 29.3350**.

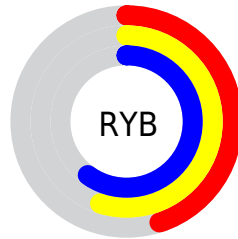
# Distribution



Red (45%)

Green (60%)

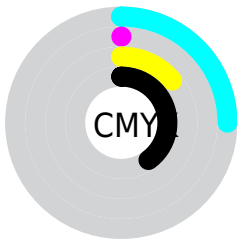
Blue (52%)



Red (45%)

Yellow (55%)

Blue (60%)

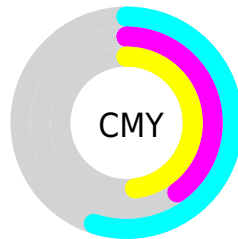


Cyan (25%)

Magenta (0%)

Yellow (14%)

Black (40%)



Cyan (55%)

Magenta (40%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6263, 28.0932, 26.0598 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 22.6263, 28.0932, 26.0598 by changing the saturation by 10% instead.



■ 22.6263, 28.0932,  
26.0598

■ 22.6263, 28.0932,  
26.0598

258.3711,  
292.9120, 296.6903

■ 14.4370, 18.3959,  
16.6422

■ 47.2502, 56.6332,  
54.3567

■ 8.5089, 11.2346,  
9.8205

■ 64.4154, 76.2447,  
74.0730

■ 4.4768, 6.2249,  
5.1760

■ 85.3034, 99.9298,  
98.0594

■ 1.9753, 2.9823,  
2.2904

110.2794,  
128.0728, 126.7343

■ 0.6200, 1.1225,  
0.7258

139.7088,  
161.0581, 160.5163

■ 0.0000, 0.0000,  
0.0000

173.9570,

199.2702, 199.8240

213.3893,  
243.0933, 245.0758

■ 22.6263, 28.0932,  
26.0598

■ 22.6263, 28.0932,  
26.0598

■ 20.2236, 26.9195,  
23.0485

■ 25.4114, 29.4601,  
29.3350

■ 18.1835, 25.9267,  
20.2927

■ 28.5930, 31.0252,  
32.8787

■ 16.4877, 25.1062,  
17.7862

■ 32.1873, 32.7973,  
36.6976

■ 15.1154, 24.4474,  
15.5216

■ 36.2089, 34.7839,  
40.7975

■ 14.0433, 23.9386,  
13.4915

■ 40.6716, 36.9921,  
45.1842

■ 13.2449, 23.5661,  
11.6878

■ 45.5886, 39.4284,  
49.8634

■ 12.6870, 23.3130,  
10.1017

■ 50.9727, 42.0994,  
54.8403

■ 12.4488, 23.2063,  
9.3635

■ 56.8359, 45.0112,  
60.1202

■ 63.1899, 48.1697,  
65.7082

# Harmonies

## Analogous

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



23.9122, 28.0932, 21.4061



22.6263, 28.0932, 26.0598



22.3971, 28.0932, 32.6613

# Triad

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



22.6263, 28.0932, 26.0598



27.4159, 28.0932, 45.5921



30.4599, 28.0932, 23.0296

# Complementary

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



22.6263, 28.0932, 26.0598



23.7125, 20.8120, 26.0610

# 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.



31.5254, 28.0932, 28.6057



22.6263, 28.0932, 26.0598



29.7002, 28.0932, 42.0810

# Square

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



22.6263, 28.0932, 26.0598



25.0696, 28.0932, 44.6389



31.2393, 28.0932, 35.6141



28.4032, 28.0932, 19.8474



# Rectangle

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



22.6263, 28.0932, 26.0598



22.8601, 28.0932, 37.4123



31.2393, 28.0932, 35.6141



30.9513, 28.0932, 24.6498

# Sweetspot

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



22.6271, 28.0944, 26.0604



49.8291, 54.8829, 57.3760



24.7269, 29.3005, 20.5723



10.9358, 12.0857, 12.5955



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



22.6271, 28.0944, 26.0604



37.9622, 49.0600, 43.5082



24.0051, 28.6456, 33.3168



6.2412, 6.9692, 7.1938



10.3046, 19.1853, 7.8247



0.1720, 0.2940, 0.2115



# Inverse Universe

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



23.7125, 20.8120, 26.0610



40.2589, 33.6469, 43.5066



22.5107, 20.3313, 19.7328



6.3445, 6.2769, 7.1940



12.2150, 6.1402, 7.6573



0.2009, 0.0991, 0.2109



# Previews

## White Background



This preview shows how the XYZ color 22.6263, 28.0932, 26.0598 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 22.6263, 28.0932, 26.0598 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 22.6263, 28.0932, 26.0598**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.6263, 28.0932, 26.0598.



This preview shows how white text looks on a background with the XYZ color 22.6263, 28.0932,



# 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

22.6263, 28.0932, 26.0598

### Protanopia

26.5665, 28.0581, 24.0942

### Deuteranopia

28.3037, 27.7916, 26.7942



## Tritanopia

25.0656, 28.1330, 37.8273

# Trichromacy



## Original Color

22.6263, 28.0932, 26.0598

## Protanomaly

24.8774, 27.8557, 24.8344

## Deuteranomaly

25.7779, 27.5970, 26.5224

## Tritanomaly

24.0191, 27.9366, 32.9805

# Monochromacy



## Original Color

22.6263, 28.0932, 26.0598

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

23.6231, 26.4699, 27.1567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.6263, 28.0932, 26.0598 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(115, 153, 132)` looks like.

```
.text, #text, p{  
    color:rgb(115, 153, 132)  
}
```

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(115, 153, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 153, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 22.6263, 28.0932, 26.0598 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(115, 153, 132) }
```



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

```
.border{ border-color:rgb(115, 153, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 153, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 153, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 153, 132);  
box-shadow:4px 4px 4px 4px rgb(115, 153,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.6263, 28.0932, 26.0598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 153, 132) }
```

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

```
.background{ background-color: rgb(115,  
153, 132) }
```

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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