

# Converting Colors

XYZ(28.6346, 32.7742, 45.5338)

Have a look what the booklet for  
XYZ(28.6346, 32.7742, 45.5338)  
contains.

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# Color

**XYZ(28.6511, 32.7958,  
45.3776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BA1AF
RGB	123, 161, 175
RGB Percent	48%, 63%, 69%
CMY	0.5176, 0.3686, 0.3137
CMYK	0.30, 0.08, 0.00, 0.31
HSL	196°, 25%, 58%
HSV	196°, 30%, 69%
XYZ	28.6511, 32.7958, 45.3776
YIQ	151.2340, -27.1420, -3.7020

# Conversions

## Conversions Part 2

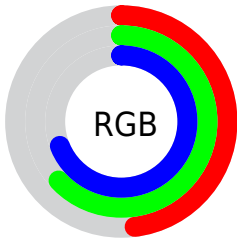
Format	Color
R <sub>Y</sub> B	123, 145, 175
Decimal	8102319
CIE Lab	64.00, -9.56, -11.47
CIE LCh	64, 14.927, 230.198
Yxy	32.7958, 0.2682, 0.3070
Android (android.graphics.Color)	4286292399 (0xFF7BA1AF)
YUV	151.2340, 11.7166, -24.7612
Hunter-Lab	57.2676, -10.9144, -6.8928

# Details

The XYZ color **28.6511, 32.7958, 45.3776** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.2005, 28.4357, 22.6366**, and the grayscale version is **29.4761, 31.0111, 33.7711**.

A 20% lighter version of the original color is **57.1111, 64.2284, 84.9885**, and **11.7163, 13.7451, 20.7744** is the 20% darker color. If you saturate the color by 10%, you get **25.5604, 30.0040, 45.0022**, and if you desaturate by 10%, it is **32.2224, 35.8830, 45.7858**.

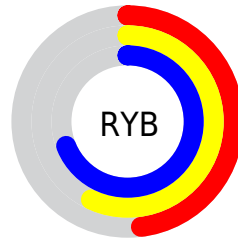
# Distribution



Red (48%)

Green (63%)

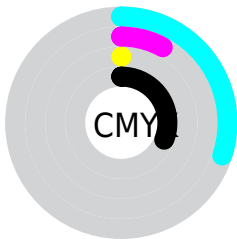
Blue (69%)



Red (48%)

Yellow (57%)

Blue (69%)

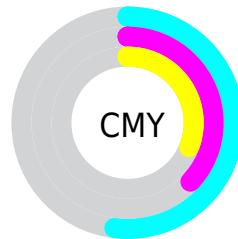


Cyan (30%)

Magenta (8%)

Yellow (0%)

Black (31%)



Cyan (52%)

Magenta (37%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6511, 32.7958, 45.3776 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 28.6511, 32.7958, 45.3776 by changing the saturation by 10% instead.



■ 28.6511, 32.7958,  
45.3776

■ 28.6511, 32.7958,  
45.3776

287.5892,  
314.7286, 384.5053

■ 18.9600, 21.9701,  
31.4098

■ 56.9237, 64.0566,  
84.6112

■ 11.7452, 13.8349,  
20.6501

■ 76.2359, 85.2604,  
110.7141

■ 6.6414, 8.0059,  
12.6797

■ 99.4858, 110.6924,  
141.6992

■ 3.2832, 4.0987,  
7.0802

127.0389,  
140.7370, 177.9849

■ 1.3052, 1.7289,  
3.4331

159.2604,  
175.7785, 219.9898

■ 0.1871, 0.4423,  
1.3198

196.5157,

■ 0.0000, 0.0000,

216.2013, 268.1325

0.0779

239.1702,  
262.3899, 322.8315

■ 0.0000, 0.0000,  
0.0000

■ 28.6511, 32.7958,  
45.3776

■ 28.6511, 32.7958,  
45.3776

■ 25.5604, 30.0040,  
45.0022

■ 32.2224, 35.8830,  
45.7858

■ 22.9230, 27.4907,  
44.6561

■ 36.2936, 39.2737,  
46.2257

■ 20.7136, 25.2430,  
44.3387

■ 40.8867, 42.9804,  
46.6991

■ 18.9029, 23.2454,  
44.0485

■ 46.0215, 47.0139,  
47.2070

■ 17.4577, 21.4802,  
43.7840

■ 51.7164, 51.3841,  
47.7504

■ 16.3390, 19.9269,  
43.5431

■ 57.9894, 56.1008,  
48.3302

■ 15.4668, 18.5435,  
43.3221

■ 64.8574, 61.1731,  
48.9472

■ 15.4429, 18.5050,  
43.3159

■ 69.3305, 65.0602,  
49.4618

■ 70.4291, 67.2574,  
49.8280

# Harmonies

## Analogous

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



27.5243, 32.7958, 39.8636



28.6511, 32.7958, 45.3776



30.4873, 32.7958, 48.3957

# Triad

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



28.6511, 32.7958, 45.3776



35.3333, 32.7958, 37.7194



29.7944, 32.7958, 25.8957

# Complementary

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



28.6511, 32.7958, 45.3776



30.2005, 28.4357, 22.6366

# 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.



31.8657, 32.7958, 25.4593



28.6511, 32.7958, 45.3776



35.1273, 32.7958, 31.8536

# Square

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



28.6511, 32.7958, 45.3776



34.3862, 32.7958, 43.6569



33.8354, 32.7958, 27.5218



28.1635, 32.7958, 28.7896



# Rectangle

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



28.6511, 32.7958, 45.3776



31.8937, 32.7958, 48.3787



33.8354, 32.7958, 27.5218



30.4601, 32.7958, 25.4704

# Sweetspot

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



28.6521, 32.7971, 45.3784



65.4335, 70.6919, 82.8331



28.0049, 36.6739, 29.2203



14.2970, 15.5101, 18.3846



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



28.6521, 32.7971, 45.3784



47.3998, 55.2271, 80.7985



24.5896, 24.6721, 44.0242



8.0512, 8.7018, 10.2080



11.1117, 13.3573, 31.0371



0.3511, 0.4555, 0.8774



# Inverse Universe

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



31.1960, 25.8539, 37.0657



52.8402, 41.0551, 62.8690



34.3285, 36.6918, 24.0126



8.2437, 8.1107, 9.5939



15.4723, 7.6515, 15.3986



0.4516, 0.2213, 0.5399



# Previews

## White Background



This preview shows how the XYZ color 28.6511, 32.7958, 45.3776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

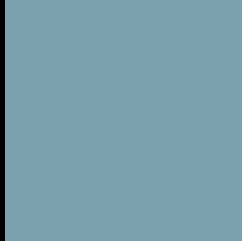
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.6511, 32.7958, 45.3776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

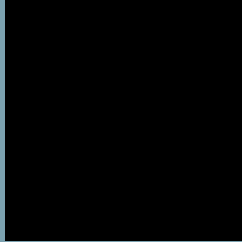
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.6511, 32.7958, 45.3776**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.6511, 32.7958, 45.3776.



This preview shows how white text looks on a background with the XYZ color 28.6511, 32.7958,



# 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

28.6511, 32.7958, 45.3776

### Protanopia

31.9482, 32.7858, 42.6747

### Deuteranopia

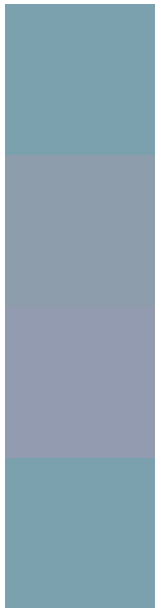
33.3005, 32.6785, 46.1474



## Tritanopia

28.5532, 32.7567, 44.8622

# Trichromacy



## Original Color

28.6511, 32.7958, 45.3776

## Protanomaly

30.6587, 32.8433, 43.7532

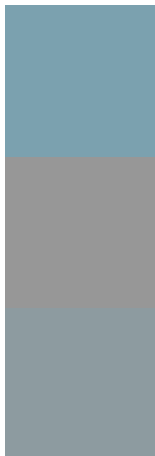
## Deuteranomaly

31.4119, 32.6883, 45.7282

## Tritanomaly

28.5532, 32.7567, 44.8622

# Monochromacy



## Original Color

28.6511, 32.7958, 45.3776

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

29.0510, 31.6435, 37.8344

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.6511, 32.7958, 45.3776 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(123, 161, 175)` looks like.

```
.text, #text, p{  
    color:rgb(123, 161, 175)  
}
```

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(123, 161, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 161, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 28.6511, 32.7958, 45.3776 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(123, 161, 175) }
```



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

```
.border{ border-color:rgb(123, 161, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 161, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 161, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 161, 175);  
box-shadow:4px 4px 4px 4px rgb(123, 161,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.6511, 32.7958, 45.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 161, 175) }
```

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

```
.background{ background-color: rgb(123,  
161, 175) }
```

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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