

# Converting Colors

XYZ(27.7252, 33.8757, 40.2788)

Have a look what the booklet for  
XYZ(27.7252, 33.8757, 40.2788)  
contains.

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# Color

**XYZ(27.6732, 33.7347,  
40.1749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75A6A4
RGB	117, 166, 164
RGB Percent	46%, 65%, 64%
CMY	0.5412, 0.3490, 0.3569
CMYK	0.30, 0.00, 0.01, 0.35
HSL	178°, 22%, 55%
HSV	178°, 30%, 65%
XYZ	27.6732, 33.7347, 40.1749
YIQ	151.1210, -28.5620, -11.0100

# Conversions

## Conversions Part 2

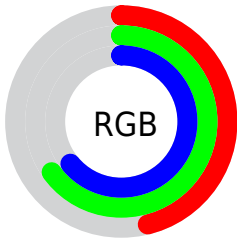
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 142, 166
Decimal	7710372
CIELab	64.75, -16.67, -4.22
CIElCh	65, 17.199, 194.208
Yxy	33.7347, 0.2724, 0.3321
Android (android.graphics.Color)	4285900452 (0xFF75A6A4)
YUV	151.1210, 6.3493, -29.9241
Hunter-Lab	58.0816, -16.5957, -0.3537

# Details

The XYZ color **27.6732, 33.7347, 40.1749** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.4181, 22.1625, 20.3922**, and the grayscale version is **29.4504, 30.9841, 33.7417**.

A 20% lighter version of the original color is **55.4372, 65.4853, 76.7359**, and **11.1887, 14.3627, 17.5118** is the 20% darker color. If you saturate the color by 10%, you get **25.5768, 32.6619, 39.7586**, and if you desaturate by 10%, it is **30.1675, 35.0143, 40.6130**.

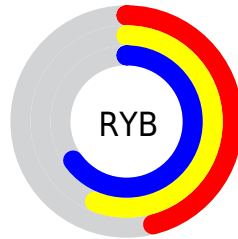
# Distribution



Red (46%)

Green (65%)

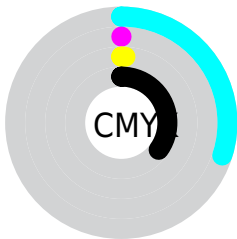
Blue (64%)



Red (46%)

Yellow (56%)

Blue (65%)

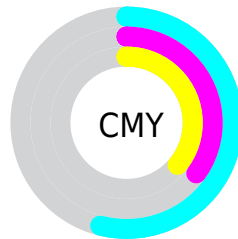


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (54%)

Magenta (35%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6732, 33.7347, 40.1749 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 27.6732, 33.7347, 40.1749 by changing the saturation by 10% instead.



■ 27.6732, 33.7347,  
40.1749

■ 27.6732, 33.7347,  
40.1749

283.0105,  
318.9475, 362.4342

■ 18.2187, 22.6899,  
27.3601

■ 55.3746, 65.5209,  
76.6698

■ 11.2077, 14.3647,  
17.6090

■ 74.3521, 87.0310,  
101.1869

■ 6.2750, 8.3747,  
10.5031

■ 97.2347, 112.7984,  
130.4420

■ 3.0553, 4.3357,  
5.6239

124.3876,  
143.2074, 164.8534

■ 1.1831, 1.8630,  
2.5527

156.1763,  
178.6424, 204.8398

■ 0.0929, 0.5260,  
0.8679

192.9661,

■ 0.0000, 0.0000,

219.4878, 250.8197

0.0000

235.1224,  
266.1280, 303.2117

■ 27.6732, 33.7347,  
40.1749

■ 27.6732, 33.7347,  
40.1749

■ 25.5768, 32.6619,  
39.7586

■ 30.1675, 35.0143,  
40.6130

■ 23.8543, 31.7809,  
39.3608

■ 33.0760, 36.5066,  
41.0714

■ 22.4840, 31.0815,  
38.9811

■ 36.4178, 38.2222,  
41.5519

■ 21.4405, 30.5505,  
38.6185

■ 40.2100, 40.1699,  
42.0551

■ 20.6952, 30.1732,  
38.2715

■ 44.4687, 42.3581,  
42.5819

■ 20.2144, 29.9322,  
37.9385

■ 49.2090, 44.7945,  
43.1329

■ 19.9269, 29.7908,  
37.6164

■ 54.4458, 47.4868,  
43.7089

■ 19.9140, 29.7845,  
37.6009

■ 60.1929, 50.4422,  
44.3105

■ 62.1425, 51.4399,  
44.7361

# Harmonies

## Analogous

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



27.7040, 33.7347, 33.1499



27.6732, 33.7347, 40.1749



28.7759, 33.7347, 47.0642

# Triad

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



27.6732, 33.7347, 40.1749



35.4936, 33.7347, 47.3788



33.3749, 33.7347, 25.1277

# Complementary

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



27.6732, 33.7347, 40.1749



25.4181, 22.1625, 20.3922

# 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.



35.5931, 33.7347, 28.0337



27.6732, 33.7347, 40.1749



36.8586, 33.7347, 40.5620

# Square

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



27.6732, 33.7347, 40.1749



33.2447, 33.7347, 51.5713



36.8959, 33.7347, 33.4904



30.9113, 33.7347, 25.0522



# Rectangle

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



27.6732, 33.7347, 40.1749



30.0398, 33.7347, 50.4020



36.8959, 33.7347, 33.4904



34.1767, 33.7347, 25.7873

# Sweetspot

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



27.6742, 33.7361, 40.1757



60.2266, 66.3554, 74.5675



24.5178, 32.5120, 21.8136



13.2997, 14.7578, 16.6600



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



27.6742, 33.7361, 40.1757



47.8068, 59.9870, 72.4435



24.1858, 26.4676, 39.9120



7.7341, 8.5267, 9.5859



15.4460, 23.0972, 29.1792



0.3797, 0.5635, 0.7305



# Inverse Universe

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



25.4181, 22.1625, 20.3922



43.0824, 35.7432, 31.0088



28.1778, 27.8723, 20.7251



7.5431, 7.5471, 7.9110



12.2278, 6.2998, 0.7450



0.3013, 0.1548, 0.0379



# Previews

## White Background



This preview shows how the XYZ color 27.6732, 33.7347, 40.1749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

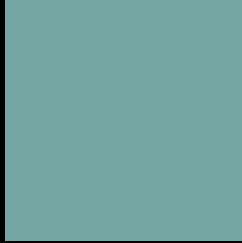
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.6732, 33.7347, 40.1749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

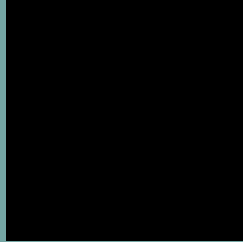
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 27.6732, 33.7347, 40.1749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.6732, 33.7347, 40.1749.



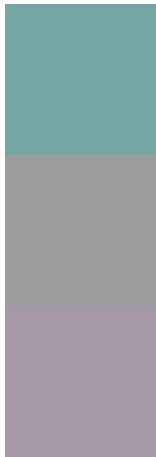
This preview shows how white text looks on a background with the XYZ color 27.6732, 33.7347,



# 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

27.6732, 33.7347, 40.1749

### Protanopia

32.3581, 33.6165, 37.1309

### Deuteranopia

34.1396, 33.4620, 41.2187



## Tritanopia

28.9570, 33.7183, 46.5771

# Trichromacy



## Original Color

27.6732, 33.7347, 40.1749

## Protanomaly

30.4176, 33.6090, 38.1417

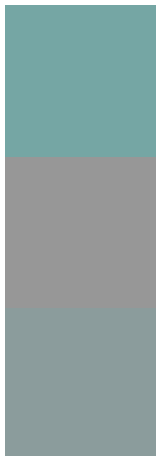
## Deuteranomaly

31.3343, 33.2567, 40.8441

## Tritanomaly

28.5093, 33.8108, 44.0533

# Monochromacy



## Original Color

27.6732, 33.7347, 40.1749

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

28.5367, 31.6662, 36.0606

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.6732, 33.7347, 40.1749 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(117, 166, 164)` looks like.

```
.text, #text, p{  
    color:rgb(117, 166, 164)  
}
```

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(117, 166, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 166, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 27.6732, 33.7347, 40.1749 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(117, 166, 164) }
```



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

```
.border{ border-color:rgb(117, 166, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 166, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 166, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 166, 164);  
box-shadow:4px 4px 4px 4px rgb(117, 166,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.6732, 33.7347, 40.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 166, 164) }
```

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

```
.background{ background-color: rgb(117,  
166, 164) }
```

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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