

# Converting Colors

XYZ(27.2056, 36.8882, 35.3265)

Have a look what the booklet for  
XYZ(27.2056, 36.8882, 35.3265)  
contains.

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# Color

**XYZ(27.2968, 37.0508,  
35.4186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68B298
RGB	104, 178, 152
RGB Percent	41%, 70%, 60%
CMY	0.5921, 0.3019, 0.4039
CMYK	0.42, 0.00, 0.15, 0.30
HSL	159°, 32%, 55%
HSV	159°, 42%, 70%
XYZ	27.2968, 37.0508, 35.4186
YIQ	152.9100, -35.7580, -23.7740

# Conversions

## Conversions Part 2

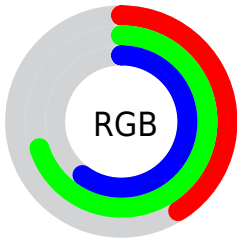
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 149, 178
Decimal	6861464
CIELab	67.32, -29.23, 6.10
CIELCh	67, 29.862, 168.215
Yxy	37.0508, 0.2736, 0.3714
Android (android.graphics.Color)	4285051544 (0xFF68B298)
YUV	152.9100, -0.4486, -42.8941
Hunter-Lab	60.8694, -26.4733, 8.1090

# Details

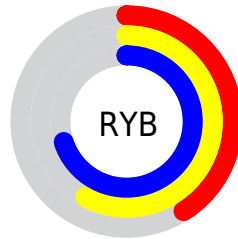
The XYZ color **27.2968, 37.0508, 35.4186** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **27.3409, 20.9783, 23.7287**, and the grayscale version is **30.2530, 31.8285, 34.6612**.

A 20% lighter version of the original color is **54.6639, 70.5710, 69.1330**, and **10.9980, 16.2849, 14.8756** is the 20% darker color. If you saturate the color by 10%, you get **24.9460, 35.8975, 32.7052**, and if you desaturate by 10%, it is **30.1128, 38.4427, 38.2965**.

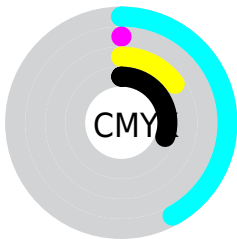
# Distribution



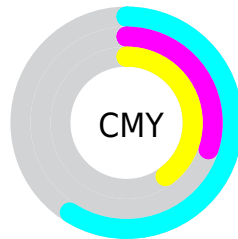
- Red (41%)
- Green (70%)
- Blue (60%)



- Red (41%)
- Yellow (58%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (15%)
- Black (30%)




- Cyan (59%)
- Magenta (30%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2968, 37.0508, 35.4186 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 27.2968, 37.0508, 35.4186 by changing the saturation by 10% instead.




 27.2968, 37.0508,  
35.4186


 27.2968, 37.0508,  
35.4186


281.2327,  
333.5304, 341.3724


 17.9340, 25.2468,  
23.6994


 54.7763, 70.6509,  
69.2927


 11.0020, 16.2610,  
14.9006


 73.6237, 93.2158,  
92.2846

 6.1355, 9.7091,  
8.6038


 96.3634, 120.1365,  
119.8711

 2.9691, 5.2065,  
4.3904

 123.3606,  
151.7974, 152.4708

 1.1374, 2.3689,  
1.8419

154.9808,  
188.5828, 190.5023

 0.0561, 0.8098,  
0.4554

191.5893,

 0.0000, 0.0000,

230.8772, 234.3840

0.0000

233.5515,  
279.0649, 284.5345

■ 27.2968, 37.0508,  
35.4186

■ 27.2968, 37.0508,  
35.4186

■ 24.9460, 35.8975,  
32.7052

■ 30.1128, 38.4427,  
38.2965

■ 23.0293, 34.9640,  
30.1501

■ 33.4165, 40.0819,  
41.3395

■ 21.5164, 34.2356,  
27.7507


■ 37.2328, 41.9821,  
44.5517

■ 20.3716, 33.6940,  
25.5029


■ 41.5837, 44.1547,  
47.9362


■ 19.5526, 33.3175,  
23.4025


■ 46.4901, 46.6103,  
51.4958

 19.0420, 33.0904,  
21.7417

 51.9717, 49.3592,  
55.2335

 58.0472, 52.4107,  
59.1520

 64.7343, 55.7742,  
63.2540

 68.5822, 57.6705,  
67.3799

# Harmonies

## Analogous

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



29.0628, 37.0508, 25.7922



27.2968, 37.0508, 35.4186



27.5126, 37.0508, 48.7289

# Triad

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



27.2968, 37.0508, 35.4186



38.0338, 37.0508, 69.2711



41.3998, 37.0508, 24.3393

# Complementary

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



27.2968, 37.0508, 35.4186



27.3409, 20.9783, 23.7287

# 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.



44.2370, 37.0508, 32.9773



27.2968, 37.0508, 35.4186



42.1809, 37.0508, 59.5364

# Square

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



27.2968, 37.0508, 35.4186



33.4518, 37.0508, 70.3239



44.5347, 37.0508, 45.7018



37.0405, 37.0508, 20.3847



# Rectangle

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



27.2968, 37.0508, 35.4186



28.7544, 37.0508, 57.9938



44.5347, 37.0508, 45.7018



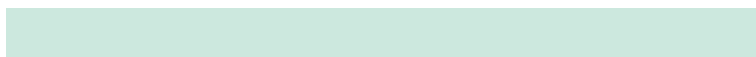
42.5788, 37.0508, 26.6935

# Sweetspot

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



27.2978, 37.0523, 35.4194



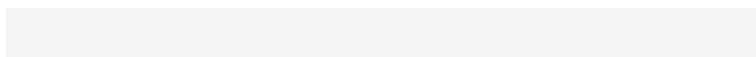
67.0490, 75.8958, 80.4096



27.8010, 37.6777, 18.9046



14.6480, 16.7117, 17.6460



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



27.2978, 37.0523, 35.4194



45.5115, 65.2301, 59.6452



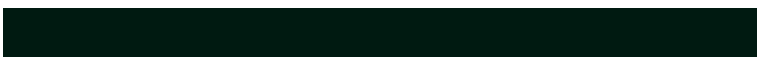
27.7732, 34.2133, 47.2612



8.6133, 9.5798, 10.2233



13.6549, 23.6879, 15.7172



0.4560, 0.7559, 0.6335



# Inverse Universe

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



27.3409, 20.9783, 23.7287



45.6113, 32.0880, 35.5952



26.8622, 22.4700, 16.0187



8.6156, 8.5529, 9.4740



13.7971, 7.0364, 4.0915

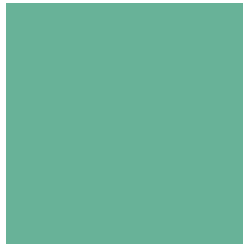


0.4624, 0.2327, 0.2778



# Previews

## White Background



This preview shows how the XYZ color 27.2968, 37.0508, 35.4186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

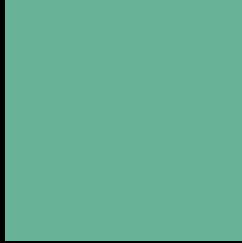
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.2968, 37.0508, 35.4186 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 27.2968, 37.0508, 35.4186**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2968, 37.0508, 35.4186.



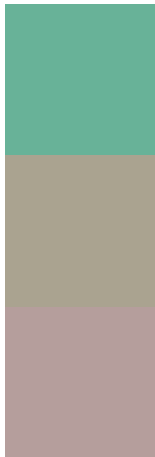
This preview shows how white text looks on a background with the XYZ color 27.2968, 37.0508,



# 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

27.2968, 37.0508, 35.4186

### Protanopia

34.7088, 36.7540, 31.6504

### Deuteranopia

37.2837, 36.6778, 36.5669



## **Tritanopia**

30.7233, 36.9857, 52.5334

# Trichromacy



## Original Color

27.2968, 37.0508, 35.4186

## Protanomaly

31.1232, 36.2228, 32.9551

## Deuteranomaly

32.5084, 36.0491, 36.2551

## Tritanomaly

29.4004, 37.0309, 45.6425

# Monochromacy



## Original Color

27.2968, 37.0508, 35.4186

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

28.6618, 33.2915, 35.0523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2968, 37.0508, 35.4186 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(104, 178, 152)` looks like.

```
.text, #text, p{  
    color:rgb(104, 178, 152)  
}
```

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(104, 178, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 178, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2968, 37.0508, 35.4186 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(104, 178, 152) }
```



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

```
.border{ border-color:rgb(104, 178, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 178, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 178, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 178, 152);  
box-shadow:4px 4px 4px 4px rgb(104, 178,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2968, 37.0508, 35.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 178, 152) }
```

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

```
.background{ background-color: rgb(104,  
178, 152) }
```

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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