

# Converting Colors

XYZ(25.7019, 37.5750, 29.8953)

Have a look what the booklet for  
XYZ(25.7019, 37.5750, 29.8953)  
contains.

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# Color

**XYZ(25.7290, 37.5662,  
29.9397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CB68A
RGB	92, 182, 138
RGB Percent	36%, 71%, 54%
CMY	0.6392, 0.2863, 0.4588
CMYK	0.49, 0.00, 0.24, 0.29
HSL	151°, 38%, 54%
HSV	151°, 49%, 71%
XYZ	25.7290, 37.5662, 29.9397
YIQ	150.0740, -39.5160, -32.7640

# Conversions

## Conversions Part 2

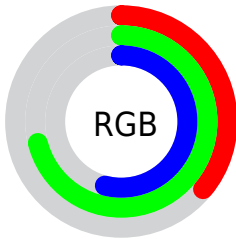
Format	Color
<a href="#">RYB</a>	<a href="#">92, 152, 182</a>
Decimal	<a href="#">6076042</a>
CIELab	<a href="#">67.70, -37.33, 14.26</a>
CIElCh	<a href="#">68, 39.960, 159.100</a>
Yxy	<a href="#">37.5662, 0.2760, 0.4029</a>
Android (android.graphics.Color)	<a href="#">4284266122 (0xFF5CB68A)</a>
YUV	<a href="#">150.0740, -5.9525, -50.9309</a>
Hunter-Lab	<a href="#">61.2913, -32.3286, 13.9418</a>

# Details

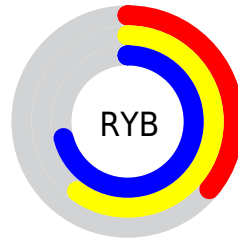
The XYZ color **25.7290, 37.5662, 29.9397** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.5637, 19.3777, 25.5813**, and the grayscale version is **29.0581, 30.5714, 33.2922**.

A 20% lighter version of the original color is **52.1216, 71.1579, 60.8569**, and **10.1078, 16.4663, 11.8781** is the 20% darker color. If you saturate the color by 10%, you get **23.5067, 36.4930, 26.6099**, and if you desaturate by 10%, it is **28.4428, 38.8887, 33.5697**.

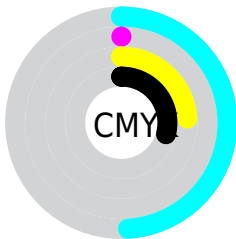
# Distribution



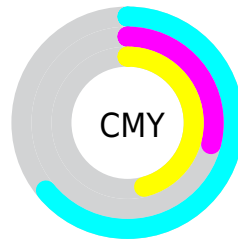
- Red (36%)
- Green (71%)
- Blue (54%)



- Red (36%)
- Yellow (60%)
- Blue (71%)



- Cyan (49%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)




- Cyan (64%)
- Magenta (29%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7290, 37.5662, 29.9397 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 25.7290, 37.5662, 29.9397 by changing the saturation by 10% instead.





 25.7290, 37.5662,  
29.9397


 25.7290, 37.5662,  
29.9397


273.7304,  
335.7554, 315.8218


 16.7526, 25.6462,  
19.5412


 52.2719, 71.4427,  
60.6267


 10.1525, 16.5591,  
11.8812


 70.5691, 94.1681,  
81.7522

 5.5632, 9.9207,  
6.5413


 92.7039, 121.2639,  
107.2905

 2.6195, 5.3464,  
3.1029

 119.0418,  
153.1148, 137.6600

 0.9559, 2.4519,  
1.1474

149.9480,  
190.1049, 173.2794

 0.0000, 0.8524,  
0.0000

185.7879,

 0.0000, 0.0000,

232.6188, 214.5671

0.0000

226.9269,  
281.0408, 261.9418

■ 25.7290, 37.5662,  
29.9397

■ 25.7290, 37.5662,  
29.9397

■ 23.5067, 36.4930,  
26.6099

■ 28.4428, 38.8887,  
33.5697

■ 21.7400, 35.6477,  
23.5696

■ 31.6750, 40.4712,  
37.5051

■ 20.3922, 35.0125,  
20.8111


■ 35.4540, 42.3292,  
41.7542


■ 19.4198, 34.5652,  
18.3252

■ 39.8052, 44.4757,  
46.3240


■ 18.7397, 34.2632,  
16.1008


■ 44.7524, 46.9228,  
51.2215

 18.7054, 34.2480,  
15.9857

 50.3178, 49.6819,  
56.4533

 56.5229, 52.7638,  
62.0259

 63.3876, 56.1787,  
67.9455

 70.6346, 59.7837,  
74.2044

# Harmonies

## Analogous

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



28.7334, 37.5662, 19.7946



25.7290, 37.5662, 29.9397



25.2249, 37.5662, 46.5162

# Triad

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



25.7290, 37.5662, 29.9397



37.6151, 37.5662, 84.4643



45.7270, 37.5662, 22.9979

# Complementary

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



25.7290, 37.5662, 29.9397



27.5637, 19.3777, 25.5813

# 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.



48.7487, 37.5662, 35.7609



25.7290, 37.5662, 29.9397



43.7231, 37.5662, 73.3448

# Square

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



25.7290, 37.5662, 29.9397



31.6381, 37.5662, 81.5664



47.9759, 37.5662, 54.2615



40.1074, 37.5662, 16.6633



# Rectangle

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



25.7290, 37.5662, 29.9397



26.3096, 37.5662, 59.7540



47.9759, 37.5662, 54.2615



47.1081, 37.5662, 26.5034

# Sweetspot

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



25.7300, 37.5677, 29.9406



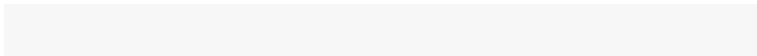
67.4569, 78.3075, 79.1022



28.9774, 39.5486, 16.2320



14.5421, 17.1197, 17.0916



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



25.7300, 37.5677, 29.9406



42.4195, 66.0644, 47.9262



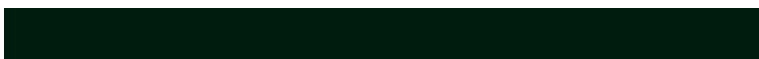
29.5863, 39.1102, 50.2475



9.0768, 10.1347, 10.5616



13.2427, 24.1980, 11.4660



0.4980, 0.8655, 0.5683



# Inverse Universe

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



27.5637, 19.3777, 25.5813



46.1210, 29.3625, 39.1390



25.0513, 18.3728, 12.3515



9.1827, 9.0834, 10.3093



14.9296, 7.5456, 7.5158

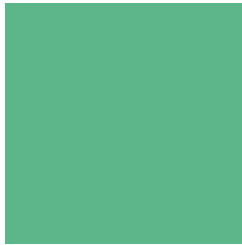


0.5576, 0.2785, 0.4297



# Previews

## White Background



This preview shows how the XYZ color 25.7290, 37.5662, 29.9397 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 25.7290, 37.5662, 29.9397 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 25.7290, 37.5662, 29.9397**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7290, 37.5662, 29.9397.



This preview shows how white text looks on a background with the XYZ color 25.7290, 37.5662,



# 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

25.7290, 37.5662, 29.9397

### Protanopia

34.6935, 37.1346, 26.1080

### Deuteranopia

37.6783, 37.0017, 31.1428



## Tritanopia

30.4591, 37.3982, 53.7573

# Trichromacy



## Original Color

25.7290, 37.5662, 29.9397

## Protanomaly

30.2294, 36.7211, 27.3244

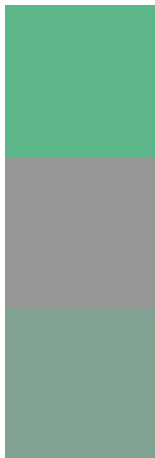
## Deuteranomaly

31.5753, 36.2359, 30.5293

## Tritanomaly

28.5429, 37.5098, 43.7659

# Monochromacy



## Original Color

25.7290, 37.5662, 29.9397

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

27.1619, 32.5831, 32.0517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7290, 37.5662, 29.9397 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(92, 182, 138)` looks like.

```
.text, #text, p{  
    color:rgb(92, 182, 138)  
}
```

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(92, 182, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 182, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 25.7290, 37.5662, 29.9397 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(92, 182, 138) }
```



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

```
.border{ border-color:rgb(92, 182, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 182, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 182, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 182, 138);  
box-shadow:4px 4px 4px 4px rgb(92, 182,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.7290, 37.5662, 29.9397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 182, 138) }
```

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

```
.background{ background-color: rgb(92, 182,  
138) }
```

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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