

# Converting Colors

XYZ(25.8884, 33.6578, 30.4599)

Have a look what the booklet for  
XYZ(25.8884, 33.6578, 30.4599)  
contains.

<b>XYZ(25.7498, 33.5058, 30.3094)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(25.7498, 33.5058,  
30.3094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72A88D
RGB	114, 168, 141
RGB Percent	45%, 66%, 55%
CMY	0.5529, 0.3412, 0.4471
CMYK	0.32, 0.00, 0.16, 0.34
HSL	150°, 24%, 55%
HSV	150°, 32%, 66%
XYZ	25.7498, 33.5058, 30.3094
YIQ	148.7760, -23.5170, -19.8450

# Conversions

## Conversions Part 2

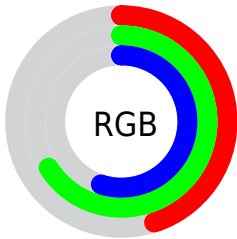
Format	Color
<a href="#">RYB</a>	<a href="#">114, 150, 168</a>
Decimal	<a href="#">7514253</a>
CIELab	<a href="#">64.57, -23.75, 8.32</a>
CIELCh	<a href="#">65, 25.163, 160.685</a>
Yxy	<a href="#">33.5058, 0.2875, 0.3741</a>
Android (android.graphics.Color)	<a href="#">4285704333 (0xFF72A88D)</a>
YUV	<a href="#">148.7760, -3.8336, -30.4986</a>
Hunter-Lab	<a href="#">57.8842, -21.8916, 9.4734</a>

# Details

The XYZ color **25.7498, 33.5058, 30.3094** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.9747, 22.2834, 28.0801**, and the grayscale version is **28.4964, 29.9804, 32.6486**.

A 20% lighter version of the original color is **52.1744, 64.9310, 61.4128**, and **10.1836, 14.3029, 12.1215** is the 20% darker color. If you saturate the color by 10%, you get **23.1606, 32.2414, 27.0485**, and if you desaturate by 10%, it is **28.7896, 34.9988, 33.8404**.

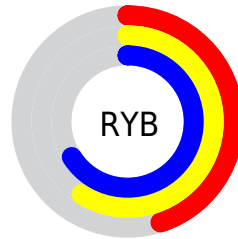
# Distribution



Red (45%)

Green (66%)

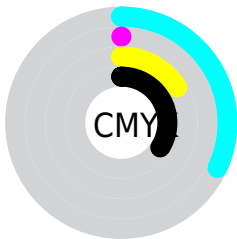
Blue (55%)



Red (45%)

Yellow (59%)

Blue (66%)

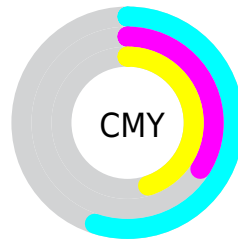


Cyan (32%)

Magenta (0%)

Yellow (16%)

Black (34%)



Cyan (55%)

Magenta (34%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7498, 33.5058, 30.3094 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 25.7498, 33.5058, 30.3094 by changing the saturation by 10% instead.



■ 25.7498, 33.5058,  
30.3094

■ 25.7498, 33.5058,  
30.3094

273.8310,  
317.9228, 317.5961

■ 16.7683, 22.5142,  
19.8195

■ 52.3052, 65.1644,  
61.2179

■ 10.1637, 14.2352,  
12.0811

■ 70.6098, 86.6002,  
82.4736

■ 5.5707, 8.2844,  
6.6757

■ 92.7528, 112.2862,  
108.1550

■ 2.6240, 4.2775,  
3.1848

119.0995,  
142.6068, 138.6806

■ 0.9582, 1.8300,  
1.1898

150.0153,  
177.9463, 174.4690

■ 0.0000, 0.5057,  
0.0000

185.8656,

■ 0.0000, 0.0000,

218.6892, 215.9386

0.0000

227.0157,  
265.2199, 263.5082

■ 25.7498, 33.5058,  
30.3094

■ 25.7498, 33.5058,  
30.3094

■ 23.1606, 32.2414,  
27.0485

■ 28.7896, 34.9988,  
33.8404

■ 20.9963, 31.1898,  
24.0489

■ 32.2987, 36.7272,  
37.6454

■ 19.2325, 30.3395,  
21.3044


■ 36.2979, 38.7026,  
41.7313

■ 17.8413, 29.6761,  
18.8080


■ 40.8059, 40.9344,  
46.1040

■ 16.7908, 29.1834,  
16.5520


■ 45.8405, 43.4318,  
50.7691


 16.0432, 28.8420,  
14.5284

 51.4185, 46.2033,  
55.7320

 15.6034, 28.6466,  
13.0941

 57.5561, 49.2572,  
60.9983

 64.2687, 52.6012,  
66.5729

 67.7165, 54.2558,  
72.2807

# Harmonies

## Analogous

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



27.5432, 33.5058, 23.4185



25.7498, 33.5058, 30.3094



25.5165, 33.5058, 40.2828

# Triad

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



25.7498, 33.5058, 30.3094



33.1471, 33.5058, 59.6382



37.3895, 33.5058, 25.0238

# Complementary

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



25.7498, 33.5058, 30.3094



26.9747, 22.2834, 28.0801

# 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.



39.1448, 33.5058, 32.9284



25.7498, 33.5058, 30.3094



36.5756, 33.5058, 53.6761

# Square

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



25.7498, 33.5058, 30.3094



29.6109, 33.5058, 58.5729



38.8362, 33.5058, 43.4407



34.1914, 33.5058, 20.7883



# Rectangle

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



25.7498, 33.5058, 30.3094



26.2561, 33.5058, 47.5637



38.8362, 33.5058, 43.4407



38.1784, 33.5058, 27.2711

# Sweetspot

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



25.7507, 33.5072, 30.3102



59.9592, 67.3106, 69.7226



28.1792, 34.9636, 21.1835



12.8658, 14.5707, 14.9849



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.



25.7507, 33.5072, 30.3102



43.0947, 59.0252, 50.4739



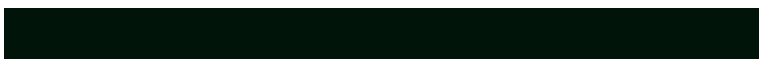
27.9275, 34.3779, 41.7730



7.5873, 8.4680, 8.8128



11.8085, 21.6421, 10.0242



0.3132, 0.5369, 0.3800



# Inverse Universe

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



26.9747, 22.2834, 28.0801



45.6874, 35.2501, 45.7501



25.2555, 21.5957, 19.0272



7.6817, 7.6025, 8.6409



13.4291, 6.7804, 7.0712



0.3526, 0.1753, 0.3082



# Previews

## White Background



This preview shows how the XYZ color 25.7498, 33.5058, 30.3094 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 25.7498, 33.5058, 30.3094 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 25.7498, 33.5058, 30.3094**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7498, 33.5058, 30.3094.



This preview shows how white text looks on a background with the XYZ color 25.7498, 33.5058,



# 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

25.7498, 33.5058, 30.3094

### Protanopia

31.5715, 33.4187, 27.7081

### Deuteranopia

33.8566, 33.2915, 31.4295



## Tritanopia

28.8188, 33.3939, 46.0011

# Trichromacy



## Original Color

25.7498, 33.5058, 30.3094

## Protanomaly

28.9402, 33.0587, 28.5226

## Deuteranomaly

30.2279, 32.8999, 31.1427

## Tritanomaly

27.5372, 33.4062, 39.6470

# Monochromacy



## Original Color

25.7498, 33.5058, 30.3094

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

27.2301, 31.0865, 31.7592

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7498, 33.5058, 30.3094 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(114, 168, 141)` looks like.

```
.text, #text, p{  
    color:rgb(114, 168, 141)  
}
```

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(114, 168, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 168, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 25.7498, 33.5058, 30.3094 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(114, 168, 141) }
```



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

```
.border{ border-color:rgb(114, 168, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 168, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 168, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 168, 141); box-shadow:4px 4px 4px 4px rgb(114, 168, 141) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.7498, 33.5058, 30.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 168, 141) }
```

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

```
.background{ background-color: rgb(114,  
168, 141) }
```

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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