

# Converting Colors

XYZ(25.1337, 37.1307, 24.7335)

Have a look what the booklet for  
XYZ(25.1337, 37.1307, 24.7335)  
contains.

<b>XYZ(25.0288, 37.0192, 24.5652)</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(25.0288, 37.0192,  
24.5652)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61B57B
RGB	97, 181, 123
RGB Percent	38%, 71%, 48%
CMY	0.6196, 0.2902, 0.5176
CMYK	0.46, 0.00, 0.32, 0.29
HSL	139°, 36%, 55%
HSV	139°, 46%, 71%
XYZ	25.0288, 37.0192, 24.5652
YIQ	149.2720, -31.4460, -35.8460

# Conversions

## Conversions Part 2

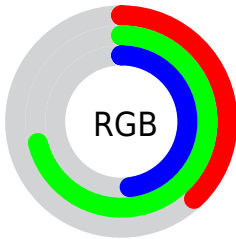
Format	Color
<a href="#">RYB</a>	<a href="#">97, 161, 181</a>
Decimal	<a href="#">6403451</a>
CIELab	<a href="#">67.29, -38.53, 21.85</a>
CIELCh	<a href="#">67, 44.297, 150.442</a>
Yxy	<a href="#">37.0192, 0.2890, 0.4274</a>
Android (android.graphics.Color)	<a href="#">4284593531 (0xFF61B57B)</a>
YUV	<a href="#">149.2720, -12.9521, -45.8425</a>
Hunter-Lab	<a href="#">60.8434, -33.0474, 18.6524</a>

# Details

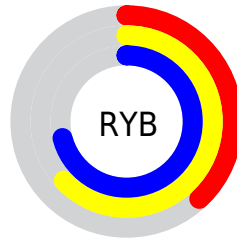
The XYZ color **25.0288, 37.0192, 24.5652** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **29.2483, 20.7405, 33.4734**, and the grayscale version is **28.7448, 30.2417, 32.9332**.

A 20% lighter version of the original color is **51.0696, 70.3784, 51.9670**, and **9.7399, 16.1446, 9.0814** is the 20% darker color. If you saturate the color by 10%, you get **22.5828, 35.8440, 20.6245**, and if you desaturate by 10%, it is **28.0167, 38.4643, 29.0543**.

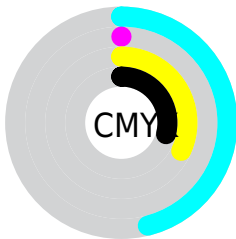
# Distribution



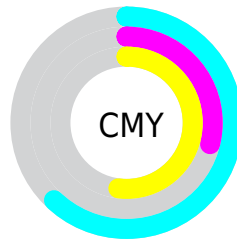
- Red (38%)
- Green (71%)
- Blue (48%)



- Red (38%)
- Yellow (63%)
- Blue (71%)



- Cyan (46%)
- Magenta (0%)
- Yellow (32%)
- Black (29%)




- Cyan (62%)
- Magenta (29%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0288, 37.0192, 24.5652 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 25.0288, 37.0192, 24.5652 by changing the saturation by 10% instead.





 25.0288, 37.0192,  
24.5652


 25.0288, 37.0192,  
24.5652


270.3263,  
333.3936, 289.0437


 16.2274, 25.2224,  
15.5373


 51.1465, 70.6023,  
51.9063


 9.7770, 16.2428,  
9.0466


 69.1935, 93.1574,  
71.0566

 5.3125, 9.6961,  
4.6743


 91.0530, 120.0673,  
94.4182

 2.4684, 5.1979,  
2.0021

 117.0904,  
151.7165, 122.4096

 0.8793, 2.3639,  
0.5566

147.6711,  
188.4893, 155.4493

 0.0000, 0.8072,  
0.0000

183.1604,

 0.0000, 0.0000,

230.7702, 193.9558

0.0000

223.9237,  
278.9435, 238.3478

■ 25.0288, 37.0192,  
24.5652

■ 25.0288, 37.0192,  
24.5652

■ 22.5828, 35.8440,  
20.6245

■ 28.0167, 38.4643,  
29.0543

■ 20.6417, 34.9169,  
17.2085

■ 31.5745, 40.1902,  
34.1094

■ 19.1683, 34.2203,  
14.2955


■ 35.7319, 42.2129,  
39.7501


■ 18.1186, 33.7320,  
11.8611


■ 40.5155, 44.5457,  
45.9946


■ 17.4352, 33.4228,  
9.8787


■ 45.9503, 47.2011,  
52.8602

 17.2390, 33.3349,  
9.2702

 52.0600, 50.1910,  
60.3635

 58.8670, 53.5266,  
68.5205

 66.3926, 57.2187,  
77.3465

 72.8299, 60.3353,  
86.7708

# Harmonies

## Analogous

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



28.9906, 37.0192, 15.9434



25.0288, 37.0192, 24.5652



23.7026, 37.0192, 40.5963

# Triad

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



25.0288, 37.0192, 24.5652



35.2863, 37.0192, 90.2952



47.6512, 37.0192, 24.2084

# Complementary

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



25.0288, 37.0192, 24.5652



29.2483, 20.7405, 33.4734

# 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.



49.8825, 37.0192, 40.0203



25.0288, 37.0192, 24.5652



42.2058, 37.0192, 81.7762

# Square

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



25.0288, 37.0192, 24.5652



29.1439, 37.0192, 82.2386



47.7744, 37.0192, 61.6498



42.0095, 37.0192, 15.7887



# Rectangle

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



25.0288, 37.0192, 24.5652



24.3382, 37.0192, 54.7894



47.7744, 37.0192, 61.6498



48.8550, 37.0192, 28.6330

# Sweetspot

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



25.0298, 37.0207, 24.5660



65.7589, 76.4599, 73.5281



32.3545, 40.9605, 17.5105



13.8393, 16.3437, 15.3974



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.



25.0298, 37.0207, 24.5660



40.2387, 64.0949, 36.5914



28.1737, 38.2783, 41.1217



8.4937, 9.5320, 9.5935



11.9116, 22.9906, 6.5371



0.4017, 0.7341, 0.3472



# Inverse Universe

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



29.2483, 20.7405, 33.4734



48.7320, 31.2314, 54.4612



26.3577, 19.5842, 18.2514



8.7358, 8.6010, 10.1072



15.7199, 7.8055, 14.2166



0.5193, 0.2555, 0.5775



# Previews

## White Background



This preview shows how the XYZ color 25.0288, 37.0192, 24.5652 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 25.0288, 37.0192, 24.5652 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 25.0288, 37.0192, 24.5652**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0288, 37.0192, 24.5652.



This preview shows how white text looks on a background with the XYZ color 25.0288, 37.0192,



# 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

25.0288, 37.0192, 24.5652

### Protanopia

34.0962, 36.6623, 21.4991

### Deuteranopia

37.0200, 36.2826, 25.4742



## Tritanopia

30.5953, 36.9197, 52.5274

# Trichromacy



## Original Color

25.0288, 37.0192, 24.5652



## Protanomaly

29.6774, 36.2605, 22.5744



## Deuteranomaly

30.9313, 35.4845, 24.9576



## Tritanomaly

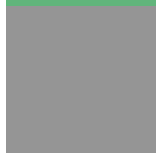
28.2896, 36.8568, 40.7450

# Monochromacy



## Original Color

25.0288, 37.0192, 24.5652



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

26.6844, 32.1290, 29.6060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0288, 37.0192, 24.5652 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(97, 181, 123)` looks like.

```
.text, #text, p{  
    color:rgb(97, 181, 123)  
}
```

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(97, 181, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 181, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0288, 37.0192, 24.5652 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(97, 181, 123) }
```



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

```
.border{ border-color:rgb(97, 181, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 181, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 181, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 181, 123);  
box-shadow:4px 4px 4px 4px rgb(97, 181,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0288, 37.0192, 24.5652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 181, 123) }
```

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

```
.background{ background-color: rgb(97, 181,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor