

# Converting Colors

XYZ(37.2005, 45.3305, 25.0844)

Have a look what the booklet for  
XYZ(37.2005, 45.3305, 25.0844)  
contains.

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# Color

**XYZ(37.2220, 45.4786,  
25.2288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6BC7A
RGB	166, 188, 122
RGB Percent	65%, 74%, 48%
CMY	0.3490, 0.2627, 0.5216
CMYK	0.12, 0.00, 0.35, 0.26
HSL	80°, 33%, 61%
HSV	80°, 35%, 74%
XYZ	37.2220, 45.4786, 25.2288
YIQ	173.8980, 8.0740, -25.1900

# Conversions

## Conversions Part 2

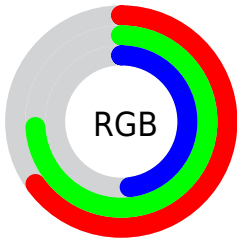
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 188, 144
Decimal	10927226
CIELab	73.21, -18.70, 30.96
CIELCh	73, 36.170, 121.126
Yxy	45.4786, 0.3449, 0.4214
Android (android.graphics.Color)	4289117306 (0xFFA6BC7A)
YUV	173.8980, -25.5857, -6.9265
Hunter-Lab	67.4378, -19.4939, 25.0258

# Details

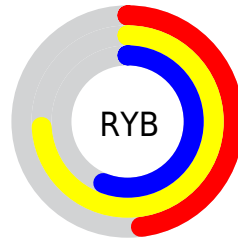
The XYZ color **37.2220, 45.4786, 25.2288** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.5400, 23.4804, 50.6602**, and the grayscale version is **40.3051, 42.4041, 46.1780**.

A 20% lighter version of the original color is **70.2127, 83.3261, 52.9404**, and **16.6437, 21.3065, 9.3662** is the 20% darker color. If you saturate the color by 10%, you get **34.8863, 44.3978, 19.6160**, and if you desaturate by 10%, it is **39.8494, 46.6866, 32.0334**.

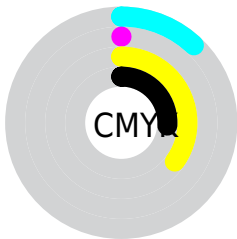
# Distribution



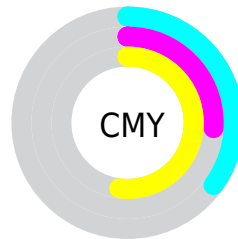
- Red (65%)
- Green (74%)
- Blue (48%)



- Red (48%)
- Yellow (74%)
- Blue (56%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (26%)




- Cyan (35%)
- Magenta (26%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2220, 45.4786, 25.2288 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 37.2220, 45.4786, 25.2288 by changing the saturation by 10% instead.





 37.2220, 45.4786,  
25.2288


 37.2220, 45.4786,  
25.2288


325.6095,  
368.7085, 292.4595


 25.5539, 31.8346,  
16.0270


 70.2257, 83.4381,  
52.9969

 16.6211, 21.2352,  
9.3887

 92.2920, 108.5224,  
72.4003

 10.0584, 13.2960,  
4.8953


 118.5551,  
138.1889, 96.0413

 5.5002, 7.6327,  
2.1283

149.3803,  
172.8221, 124.3384

 2.5814, 3.8608,  
0.6325

185.1330,  
212.8062, 157.7103

 0.9365, 1.5960,  
0.0000

226.1785,

 0.0000, 0.3549,

258.5257, 196.5754

0.0000

272.8822,  
310.3650, 241.3523

■ 0.0000, 0.0000,  
0.0000

■ 37.2220, 45.4786,  
25.2288

■ 37.2220, 45.4786,  
25.2288

■ 34.8863, 44.3978,  
19.6160

■ 39.8494, 46.6866,  
32.0334

■ 32.8250, 43.4324,  
15.1233

■ 42.7780, 48.0211,  
40.0902

■ 31.0238, 42.5783,  
11.6761


■ 46.0209, 49.4888,  
49.4589


■ 29.4658, 41.8285,  
9.1889


■ 49.5894, 51.0946,  
60.1945


■ 28.1311, 41.1751,  
7.5635


■ 53.4943, 52.8426,  
72.3488


 26.9961, 40.6083,  
6.6795

 57.7456, 54.7371,  
85.9712

 26.4895, 40.3530,  
6.3928

 62.3531, 56.7821,  
101.1085

 64.3952, 57.8090,  
102.3720

 66.2842, 58.7828,  
102.4604

# Harmonies

## Analogous

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



42.9868, 45.4786, 22.1584



37.2220, 45.4786, 25.2288



33.3997, 45.4786, 34.4917

# Triad

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



37.2220, 45.4786, 25.2288



37.5991, 45.4786, 86.8437



56.6053, 45.4786, 48.8351

# Complementary

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



37.2220, 45.4786, 25.2288



27.5400, 23.4804, 50.6602

# 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.



54.8122, 45.4786, 68.3767



37.2220, 45.4786, 25.2288



43.4662, 45.4786, 93.3038

# Square

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



37.2220, 45.4786, 25.2288



33.6020, 45.4786, 69.8618



49.8433, 45.4786, 85.8491



54.5319, 45.4786, 33.5658



# Rectangle

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



37.2220, 45.4786, 25.2288



32.2590, 45.4786, 44.3223



49.8433, 45.4786, 85.8491



56.4335, 45.4786, 55.1056

# Sweetspot

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



37.2231, 45.4806, 25.2298



79.7633, 88.0416, 79.0316



34.2268, 32.0445, 22.7943



16.9846, 18.8568, 16.5136



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



37.2231, 45.4806, 25.2298



64.2007, 80.9149, 37.8193



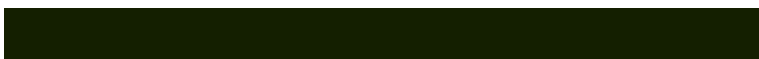
31.1704, 42.3603, 24.9465



10.0048, 10.9569, 10.1642



18.1158, 27.5149, 4.3561



0.7763, 1.1121, 0.1738



# Inverse Universe

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



27.5400, 23.4804, 50.6602



44.0851, 35.1822, 90.6935



34.1698, 26.8982, 50.9704



9.3082, 9.3757, 11.9913



7.6331, 3.2211, 32.6123



0.3698, 0.1627, 1.2808



# Previews

## White Background



This preview shows how the XYZ color 37.2220, 45.4786, 25.2288 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 37.2220, 45.4786, 25.2288 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 37.2220, 45.4786, 25.2288**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2220, 45.4786, 25.2288.



This preview shows how white text looks on a background with the XYZ color 37.2220, 45.4786,



# 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

37.2220, 45.4786, 25.2288

### Protanopia

41.9556, 45.1742, 23.9610

### Deuteranopia

46.2500, 45.3075, 26.0463



## Tritanopia

43.6502, 45.3206, 56.8992

# Trichromacy



## Original Color

37.2220, 45.4786, 25.2288

## Protanomaly

39.8853, 45.0023, 24.3534

## Deuteranomaly

42.6480, 45.1918, 25.8771

## Tritanomaly

40.7163, 45.0166, 43.1023

# Monochromacy



## Original Color

37.2220, 45.4786, 25.2288

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

38.8311, 43.2647, 37.3146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2220, 45.4786, 25.2288 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(166, 188, 122)` looks like.

```
.text, #text, p{  
    color:rgb(166, 188, 122)  
}
```

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(166, 188, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 188, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2220, 45.4786, 25.2288 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(166, 188, 122) }
```



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

```
.border{ border-color:rgb(166, 188, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 188, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 188, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 188, 122);  
box-shadow:4px 4px 4px 4px rgb(166, 188,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2220, 45.4786, 25.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 188, 122) }
```

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

```
.background{ background-color: rgb(166,  
188, 122) }
```

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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