

# Converting Colors

XYZ(24.9786, 37.5476, 6.7146)

Have a look what the booklet for  
XYZ(24.9786, 37.5476, 6.7146)  
contains.

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# Color

**XYZ(25.0411, 37.7248,  
6.7209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BB616
RGB	123, 182, 22
RGB Percent	48%, 71%, 9%
CMY	0.5177, 0.2863, 0.9137
CMYK	0.32, 0.00, 0.88, 0.29
HSL	82°, 78%, 40%
HSV	82°, 88%, 71%
XYZ	25.0411, 37.7248, 6.7209
YIQ	146.1190, 16.1960, -62.2680

# Conversions

## Conversions Part 2

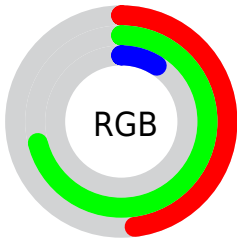
Format	Color
R <sub>Y</sub> B	22, 182, 81
Decimal	8107542
CIE Lab	67.82, -40.75, 65.47
CIE LCh	68, 77.116, 121.896
Yxy	37.7248, 0.3604, 0.5429
Android (android.graphics.Color)	4286297622 (0xFF7BB616)
YUV	146.1190, -61.1907, -20.2754
Hunter-Lab	61.4205, -34.7116, 36.5066

# Details

The XYZ color **25.0411, 37.7248, 6.7209** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **12.1258, 5.7019, 44.7197**, and the grayscale version is **27.6104, 29.0483, 31.6335**.

A 20% lighter version of the original color is **51.0766, 71.5243, 19.9176**, and **10.0970, 16.8588, 2.7219** is the 20% darker color. If you saturate the color by 10%, you get **23.9903, 37.1986, 6.0251**, and if you desaturate by 10%, it is **26.2771, 38.3353, 8.0409**.

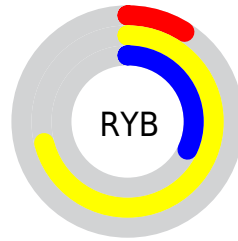
# Distribution



Red (48%)

Green (71%)

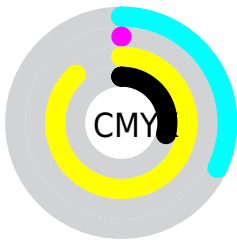
Blue (9%)



Red (9%)

Yellow (71%)

Blue (32%)

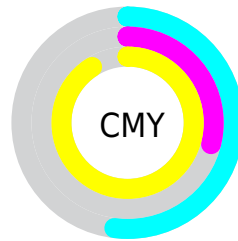


Cyan (32%)

Magenta (0%)

Yellow (88%)

Black (29%)



Cyan (52%)

Magenta (29%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0411, 37.7248, 6.7209 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 25.0411, 37.7248, 6.7209 by changing the saturation by 10% instead.





 25.0411, 37.7248,  
6.7209


 25.0411, 37.7248,  
6.7209


270.3864,  
336.4380, 174.8660


 16.2366, 25.7692,  
3.2124


 51.1663, 71.6861,  
19.9127


 9.7836, 16.6510,  
1.2041


 69.2177, 94.4606,  
30.4331


 5.3169, 9.9860,  
0.0000


 91.0821, 121.6102,  
44.1278

 2.4710, 5.3897,  
0.0000

 117.1248,  
153.5192, 61.4155

 0.8807, 2.4777,  
0.0000

 147.7113,  
190.5721, 82.7146

 0.0000, 0.8654,  
0.0000

 183.2068,

 0.0000, 0.0000,

233.1533, 108.4437

0.0000

223.9767,  
281.6471, 139.0213

■ 25.0411, 37.7248,  
6.7209

■ 25.0411, 37.7248,  
6.7209

■ 23.9903, 37.1986,  
6.0251

■ 26.2771, 38.3353,  
8.0409

■ 23.7834, 37.0944,  
5.9064

■ 27.7253, 39.0371,  
10.1318

■ 29.4059, 39.8397,  
13.0896

■ 31.3356, 40.7501,  
16.9959

■ 33.5292, 41.7741,  
21.9228

■ 36.0002, 42.9175,  
27.9353

■ 38.7611, 44.1852,  
35.0931

■ 41.8234, 45.5820,  
43.4517

■ 45.1981, 47.1125,  
53.0628

# Harmonies

## Analogous

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



35.1018, 37.7248, 4.1745



25.0411, 37.7248, 6.7209



19.1769, 37.7248, 17.2339

# Triad

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



25.0411, 37.7248, 6.7209



26.0914, 37.7248, 130.6677



64.0481, 37.7248, 38.9380

# Complementary

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



25.0411, 37.7248, 6.7209



12.1258, 5.7019, 44.7197

# 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.



60.1625, 37.7248, 80.4911



25.0411, 37.7248, 6.7209



36.6215, 37.7248, 148.0802

# Square

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



25.0411, 37.7248, 6.7209



19.6819, 37.7248, 86.5387



49.4081, 37.7248, 126.0171



59.0960, 37.7248, 15.2066



# Rectangle

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



25.0411, 37.7248, 6.7209



17.5901, 37.7248, 32.4863



49.4081, 37.7248, 126.0171



63.7296, 37.7248, 51.0600

# Sweetspot

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



25.0420, 37.7265, 6.7217



65.9653, 78.1277, 52.4142



22.3557, 15.8403, 2.6388



14.2095, 17.0900, 10.6721



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.



25.0420, 37.7265, 6.7217



42.8482, 67.1099, 10.6952



17.8845, 34.0366, 6.3867



9.4204, 10.3334, 9.6049



16.8699, 26.2331, 4.1744



0.6604, 0.9587, 0.1502



# Inverse Universe

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



12.1258, 5.7019, 44.7197



19.2816, 8.1717, 80.7968



23.3629, 11.4948, 45.2456



8.8256, 8.8764, 11.3276



7.6710, 3.2658, 31.4791



0.3397, 0.1508, 1.1130



# Previews

## White Background



This preview shows how the XYZ color 25.0411, 37.7248, 6.7209 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 25.0411, 37.7248, 6.7209 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 25.0411, 37.7248, 6.7209**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0411, 37.7248, 6.7209.



This preview shows how white text looks on a background with the XYZ color 25.0411, 37.7248,



# 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

25.0411, 37.7248, 6.7209

### Protanopia

33.7984, 37.3868, 5.9252

### Deuteranopia

38.0036, 37.1955, 7.1839



## **Tritanopia**

33.7197, 37.4576, 50.2526

# Trichromacy



## Original Color

25.0411, 37.7248, 6.7209

## Protanomaly

29.7763, 36.9560, 6.1361

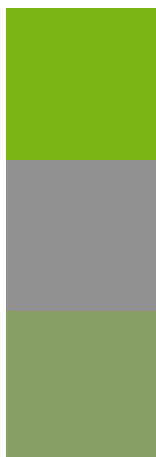
## Deuteranomaly

31.6341, 36.2502, 6.7685

## Tritanomaly

28.6057, 36.7957, 24.6634

# Monochromacy



## Original Color

25.0411, 37.7248, 6.7209

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

25.2283, 31.1391, 16.9927

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0411, 37.7248, 6.7209 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(123, 182, 22)` looks like.

```
.text, #text, p{  
    color:rgb(123, 182, 22)  
}
```

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(123, 182, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 182, 22) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0411, 37.7248, 6.7209 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(123, 182, 22) }
```



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

```
.border{ border-color:rgb(123, 182, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 182, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 182, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 182, 22);  
box-shadow:4px 4px 4px 4px rgb(123, 182,  
22) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0411, 37.7248, 6.7209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 182, 22) }
```

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

```
.background{ background-color: rgb(123,  
182, 22) }
```

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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