

# Converting Colors

XYZ(66.3271, 72.2512, 25.2019)

Have a look what the booklet for  
XYZ(66.3271, 72.2512, 25.2019)  
contains.

**XYZ(66.3271, 72.2512, 25.2019)** ..... 3

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 12

***Previews*** ..... 24

***Color Blindness Simulation*** ..... 28

***CSS Examples*** ..... 31

# **Color**

**XYZ(66.3271, 72.2512,  
25.2019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5DD6E
RGB	245, 221, 110
RGB Percent	96%, 87%, 43%
CMY	0.0392, 0.1333, 0.5686
CMYK	0.00, 0.10, 0.55, 0.04
HSL	49°, 87%, 70%
HSV	49°, 55%, 96%
XYZ	66.3271, 72.2512, 25.2019
YIQ	215.5220, 49.9350, -29.4330

# Conversions

## Conversions Part 2

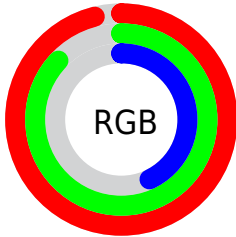
Format	Color
<a href="#">RYB</a>	139, 245, 110
Decimal	16113006
CIELab	88.09, -5.17, 56.67
CIELCh	88, 56.903, 95.210
Yxy	72.2512, 0.4050, 0.4411
Android (android.graphics.Color)	4294303086 (0xFFF5DD6E)
YUV	215.5220, -52.0223, 25.8522
Hunter-Lab	85.0007, -9.4655, 41.9216

# Details

The XYZ color **66.3271, 72.2512, 25.2019** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.4367, 26.9568, 89.9320**, and the grayscale version is **65.2654, 68.6643, 74.7754**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **34.6244, 38.0069, 9.3821** is the 20% darker color. If you saturate the color by 10%, you get **64.0390, 69.5229, 18.7435**, and if you desaturate by 10%, it is **69.0171, 75.1935, 33.6148**.

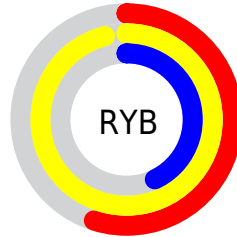
# Distribution



Red (96%)

Green (87%)

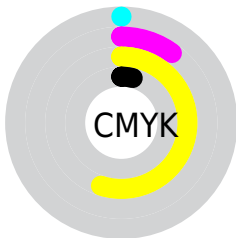
Blue (43%)



Red (55%)

Yellow (96%)

Blue (43%)

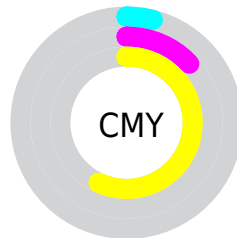


Cyan (0%)

Magenta (10%)

Yellow (55%)

Black (4%)



Cyan (4%)

Magenta (13%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3271, 72.2512, 25.2019 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 66.3271, 72.2512, 25.2019 by changing the saturation by 10% instead.



66.3271, 72.2512,  
25.2019

66.3271, 72.2512,  
25.2019

437.0160,  
468.4155, 292.3217

48.8067, 53.3639,  
16.0072

113.0108,  
122.4136, 52.9528

34.6800, 38.0934,  
9.3748

142.9048,  
154.4575, 72.3459

23.5819, 26.0552,  
4.8863

177.6540,  
191.6557, 95.9757

15.1468, 16.8649,  
2.1231

217.6238,  
234.3927, 124.2605

9.0095, 10.1382,  
0.6295

263.1796,  
283.0527, 157.6190

4.8045, 5.4907,  
0.0000

314.6866,

2.1666, 2.5379,

338.0203, 196.4697

0.0000

372.5103,  
399.6797, 241.2311

■ 0.7250, 0.8956,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.3271, 72.2512,  
25.2019

■ 66.3271, 72.2512,  
25.2019

■ 64.0390, 69.5229,  
18.7435

■ 69.0171, 75.1935,  
33.6148

■ 62.1164, 66.9853,  
14.0709


■ 72.1319, 78.3510,  
44.1237

■ 60.5243, 64.6270,  
10.9939


■ 75.6984, 81.7376,  
56.8619


■ 59.2177, 62.4296,  
9.2769

■ 79.7397, 85.3629,  
71.9503

 58.6490, 61.3985,  
8.7600

 84.2773, 89.2358,  
89.5013

 89.0074, 93.2352,  
107.9127

 90.3556, 95.9315,  
108.3621

 91.4660, 98.1524,  
108.7323

# Harmonies

## Analogous

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



80.2211, 72.2512, 28.4130



66.3271, 72.2512, 25.2019



54.6822, 72.2512, 32.0005

# Triad

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



66.3271, 72.2512, 25.2019



49.4601, 72.2512, 130.1832



95.2297, 72.2512, 114.4012

# Complementary

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



66.3271, 72.2512, 25.2019



31.4367, 26.9568, 89.9320

# 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.



84.8663, 72.2512, 157.0157



66.3271, 72.2512, 25.2019



58.2893, 72.2512, 168.0360

# Square

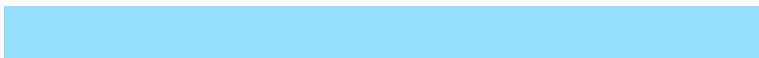
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.3271, 72.2512, 25.2019



45.8000, 72.2512, 85.6621



71.0727, 72.2512, 179.1982



98.1182, 72.2512, 72.0678



# Rectangle

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



66.3271, 72.2512, 25.2019



49.3718, 72.2512, 43.2316



71.0727, 72.2512, 179.1982



92.4434, 72.2512, 129.5552

# Sweetspot

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



66.3288, 72.2546, 25.2034



86.4307, 92.6982, 75.3933



47.5880, 32.3072, 26.5581



18.3043, 19.6678, 15.4019



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



66.3288, 72.2546, 25.2034



69.8971, 75.8413, 19.9076



59.8919, 79.0219, 26.8489



17.6495, 18.7831, 17.4928



31.6881, 33.2618, 4.7500



2.8492, 3.0516, 0.4388



# Inverse Universe

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



31.4367, 26.9568, 89.9320



28.2687, 21.8642, 97.3380



35.1477, 24.4933, 89.2609



15.8193, 16.4028, 20.8749



9.4251, 4.6440, 46.9376



0.8935, 0.5385, 4.1471



# Previews

## White Background



This preview shows how the XYZ color 66.3271, 72.2512, 25.2019 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 66.3271, 72.2512, 25.2019 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 66.3271, 72.2512, 25.2019

## Background



This preview shows how black text looks on a background with the XYZ color 66.3271, 72.2512, 25.2019.



This preview shows how white text looks on a background with the XYZ color 66.3271, 72.2512,



# 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

66.3271, 72.2512, 25.2019

### Protanopia

65.9792, 72.0718, 25.1856

### Deuteranopia

71.8082, 71.9618, 44.2877



## Tritanopia

77.4950, 72.2427, 80.3808

# Trichromacy



## Original Color

66.3271, 72.2512, 25.2019

## Protanomaly

65.9792, 72.0718, 25.1856

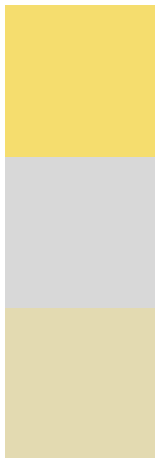
## Deuteranomaly

69.5544, 72.1181, 36.2409

## Tritanomaly

72.1252, 71.5166, 54.8024

# Monochromacy



## Original Color

66.3271, 72.2512, 25.2019

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.6858, 69.6480, 51.6291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.3271, 72.2512, 25.2019 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(245, 221, 110)` looks like.

```
.text, #text, p{  
    color:rgb(245, 221, 110)  
}
```

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(245, 221, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 221, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 66.3271, 72.2512, 25.2019 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(245, 221, 110) }
```



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

```
.border{ border-color:rgb(245, 221, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 221, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 221, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 221, 110);  
box-shadow:4px 4px 4px 4px rgb(245, 221,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.3271, 72.2512, 25.2019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 221, 110) }
```

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

```
.background{ background-color: rgb(245,  
221, 110) }
```

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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