

# Converting Colors

XYZ(65.3964, 69.3081, 10.7983)

Have a look what the booklet for  
XYZ(65.3964, 69.3081, 10.7983)  
contains.

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# **Color**

**XYZ(65.4514, 69.4191,  
10.8137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD618
RGB	255, 214, 24
RGB Percent	100%, 84%, 9%
CMY	0.0000, 0.1608, 0.9058
CMYK	0.00, 0.16, 0.91, 0.00
HSL	49°, 100%, 55%
HSV	49°, 91%, 100%
XYZ	65.4514, 69.4191, 10.8137
YIQ	204.5990, 85.4260, -50.3980

# Conversions

## Conversions Part 2

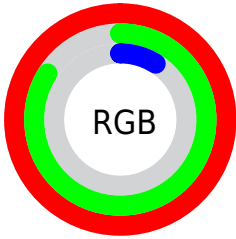
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 255, 24
Decimal	16766488
CIE <sub>Lab</sub>	86.71, -1.19, 84.47
CIE <sub>LCh</sub>	87, 84.477, 90.805
Yxy	69.4191, 0.4493, 0.4765
Android (android.graphics.Color)	4294956568 (0xFFFFD618)
YUV	204.5990, -89.0353, 44.2017
Hunter-Lab	83.3181, -5.5842, 50.6276

# Details

The XYZ color **65.4514, 69.4191, 10.8137** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **20.3175, 11.1956, 95.6970**, and the grayscale version is **58.2857, 61.3211, 66.7787**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **34.5631, 36.4791, 5.2195** is the 20% darker color. If you saturate the color by 10%, you get **64.2234, 67.2273, 9.5912**, and if you desaturate by 10%, it is **67.0146, 71.9053, 13.3100**.

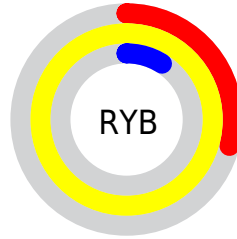
# Distribution



Red (100%)

Green (84%)

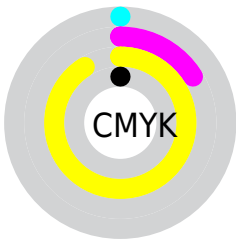
Blue (9%)



Red (29%)

Yellow (100%)

Blue (9%)

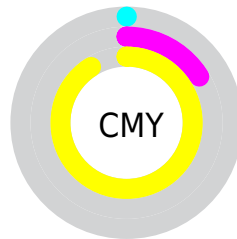


Cyan (0%)

Magenta (16%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4514, 69.4191, 10.8137 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 65.4514, 69.4191, 10.8137 by changing the saturation by 10% instead.





 65.4514, 69.4191,  
10.8137

 65.4514, 69.4191,  
10.8137


433.9320,  
458.5077, 207.0763


 48.0933, 51.0531,  
5.8291


 111.7607,  
118.3800, 27.9465

 34.1123, 36.2509,  
2.6743


 141.4425,  
149.7436, 40.9318


 23.1432, 24.6280,  
0.9305


 175.9630,  
186.2087, 57.4211

 14.8205, 15.8001,  
0.0000

 215.6874,  
228.1594, 77.8329

 8.7790, 9.3828,  
0.0000

 260.9812,  
275.9803, 102.5858

 4.6533, 4.9917,  
0.0000

 312.2096,

 2.0780, 2.2424,

330.0557, 132.0983

0.0000

369.7381,  
390.7701, 166.7889

■ 0.6772, 0.7430,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.4514, 69.4191,  
10.8137

■ 65.4514, 69.4191,  
10.8137

■ 64.2234, 67.2273,  
9.5912

■ 67.0146, 71.9053,  
13.3100

■ 68.9132, 74.5742,  
17.4213

■ 71.1937, 77.4476,  
23.3840

■ 73.8935, 80.5408,  
31.3947

■ 77.0456, 83.8674,  
41.6247

■ 80.6792, 87.4395,  
54.2274

■ 84.8211, 91.2682,  
69.3424

■ 89.4959, 95.3637,  
87.0986

94.7267, 99.7356,  
107.6161

# Harmonies

## Analogous

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



86.1723, 69.4191, 15.0212



65.4514, 69.4191, 10.8137



48.4665, 69.4191, 15.5449

# Triad

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



65.4514, 69.4191, 10.8137



38.5659, 69.4191, 145.6177



104.7501, 69.4191, 141.5790

# Complementary

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



65.4514, 69.4191, 10.8137



20.3175, 11.1956, 95.6970

# 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.



87.2754, 69.4191, 211.7622



65.4514, 69.4191, 10.8137



49.2188, 69.4191, 214.7977

# Square

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



65.4514, 69.4191, 10.8137



34.9617, 69.4191, 77.1160



66.5130, 69.4191, 243.5397



111.4111, 69.4191, 74.0756



# Rectangle

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



65.4514, 69.4191, 10.8137



40.8242, 69.4191, 25.7633



66.5130, 69.4191, 243.5397



99.7949, 69.4191, 166.6242

# Sweetspot

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



65.4530, 69.4225, 10.8151



82.1041, 88.7820, 59.3473



42.5606, 22.3113, 7.2736



17.2828, 18.7292, 11.6569



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.



65.4530, 69.4225, 10.8151



64.2240, 67.2279, 9.5913



55.1816, 81.5126, 13.6901



19.2709, 20.5100, 19.0875



33.6582, 35.3276, 5.0449



3.3457, 3.5768, 0.5140



# Inverse Universe

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



20.3175, 11.1956, 95.6970



18.9981, 9.1162, 95.3660



23.3235, 10.4239, 95.3896



17.2636, 17.8988, 22.7949



10.0018, 4.9133, 49.8558



1.0416, 0.6139, 4.8769



# Previews

## White Background



This preview shows how the XYZ color 65.4514, 69.4191, 10.8137 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 65.4514, 69.4191, 10.8137 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 65.4514, 69.4191, 10.8137**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.4514, 69.4191, 10.8137.



This preview shows how white text looks on a background with the XYZ color 65.4514, 69.4191,



# 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

65.4514, 69.4191, 10.8137

### Protanopia

62.9031, 69.6255, 11.0434

### Deuteranopia

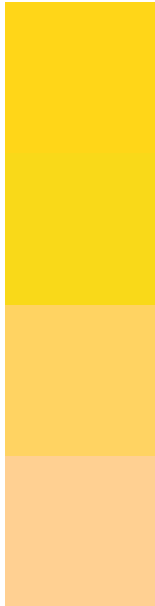
69.0202, 69.2466, 34.5391



## Tritanopia

75.0986, 69.3520, 73.7181

# Trichromacy



## Original Color

65.4514, 69.4191, 10.8137

## Protanomaly

64.0552, 69.8356, 11.0233

## Deuteranomaly

66.7389, 68.7304, 21.3040

## Tritanomaly

68.9842, 68.4471, 36.7699

# Monochromacy



## Original Color

65.4514, 69.4191, 10.8137

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.6475, 62.6638, 33.4831

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4514, 69.4191, 10.8137 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(255, 214, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 24)  
}
```

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(255, 214, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 24) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4514, 69.4191, 10.8137 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(255, 214, 24) }
```



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

```
.border{ border-color:rgb(255, 214, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
24) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4514, 69.4191, 10.8137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 24) }
```

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

```
.background{ background-color: rgb(255,  
214, 24) }
```

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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