

# Converting Colors

XYZ(62.5428, 64.9694, 11.2966)

Have a look what the booklet for  
XYZ(62.5428, 64.9694, 11.2966)  
contains.

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# Color

**XYZ(62.6164, 64.9982,  
11.3435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCCE29
RGB	252, 206, 41
RGB Percent	99%, 81%, 16%
CMY	0.0118, 0.1921, 0.8392
CMYK	0.00, 0.18, 0.84, 0.01
HSL	47°, 97%, 57%
HSV	47°, 84%, 99%
XYZ	62.6164, 64.9982, 11.3435
YIQ	200.9440, 80.3810, -41.5630

# Conversions

## Conversions Part 2

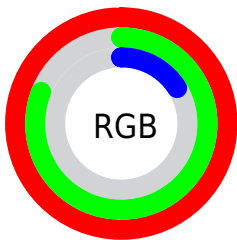
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 252, 41
Decimal	16567849
CIE <sub>Lab</sub>	84.48, 1.95, 79.14
CIE <sub>LCh</sub>	84, 79.162, 88.590
Yxy	64.9982, 0.4506, 0.4678
Android (android.graphics.Color)	4294757929 (0xFFFCCE29)
YUV	200.9440, -78.8524, 44.7761
Hunter-Lab	80.6215, -2.4517, 48.0929

# Details

The XYZ color **62.6164, 64.9982, 11.3435** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **21.8935, 14.3162, 93.7040**, and the grayscale version is **55.9232, 58.8356, 64.0719**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **32.7141, 33.5328, 4.7483** is the 20% darker color. If you saturate the color by 10%, you get **61.0101, 62.2791, 9.2882**, and if you desaturate by 10%, it is **64.5527, 67.9285, 14.8957**.

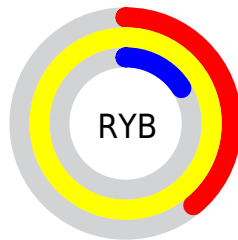
# Distribution



Red (99%)

Green (81%)

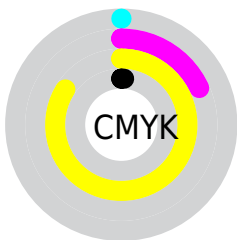
Blue (16%)



Red (39%)

Yellow (99%)

Blue (16%)

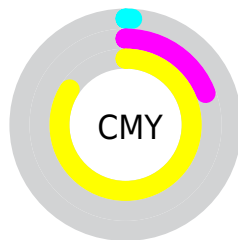


Cyan (0%)

Magenta (18%)

Yellow (84%)

Black (1%)



Cyan (1%)

Magenta (19%)


Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6164, 64.9982, 11.3435 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 62.6164, 64.9982, 11.3435 by changing the saturation by 10% instead.




 62.6164, 64.9982,  
11.3435

 62.6164, 64.9982,  
11.3435


423.8578,  
442.7855, 210.8306

 45.7884, 47.4596,  
6.1813


 107.7008,  
112.0473, 28.9399

 32.2828, 33.3991,  
2.8851


 136.6880,  
142.3265, 42.2112


 21.7342, 22.4324,  
1.0363


 170.4589,  
177.6215, 59.0227

 13.7772, 14.1750,  
0.0000

 209.3790,  
218.3166, 79.7928

 8.0466, 8.2425,  
0.0000

 253.8136,  
264.7961, 104.9401

 4.1768, 4.2505,  
0.0000

 304.1280,

 1.8026, 1.8146,

317.4445, 134.8831

0.0000

360.6876,  
376.6462, 170.0404

■ 0.5193, 0.4963,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.6164, 64.9982,  
11.3435

■ 62.6164, 64.9982,  
11.3435

■ 61.0101, 62.2791,  
9.2882

■ 64.5527, 67.9285,  
14.8957

■ 60.1262, 60.6586,  
8.5393

■ 66.8616, 71.0798,  
20.1858

■ 69.5830, 74.4716,  
27.4160

■ 72.7503, 78.1179,  
36.7595

■ 76.3931, 82.0312,  
48.3702

■ 80.5384, 86.2231,  
62.3877

■ 85.2108, 90.7040,  
78.9404

■ 90.4335, 95.4838,  
98.1473

■ 93.9545, 99.4353,  
108.8487

# Harmonies

## Analogous

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



81.1683, 64.9982, 16.0659



62.6164, 64.9982, 11.3435



46.9451, 64.9982, 15.1936

# Triad

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



62.6164, 64.9982, 11.3435



36.5527, 64.9982, 128.0877



95.4337, 64.9982, 134.3289

# Complementary

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



62.6164, 64.9982, 11.3435



21.8935, 14.3162, 93.7040

# 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.



79.4481, 64.9982, 194.7072



62.6164, 64.9982, 11.3435



45.7528, 64.9982, 190.0561

# Square

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



62.6164, 64.9982, 11.3435



33.7252, 64.9982, 68.4108



60.9488, 64.9982, 218.8058



102.2079, 64.9982, 73.1869



# Rectangle

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



62.6164, 64.9982, 11.3435



39.6966, 64.9982, 24.0426



60.9488, 64.9982, 218.8058



90.8263, 64.9982, 156.2910

# Sweetspot

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



62.6179, 65.0014, 11.3448



82.1575, 88.0046, 62.0910



42.7934, 23.0240, 11.9150



17.2569, 18.5083, 12.1693



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.



62.6179, 65.0014, 11.3448



61.7590, 62.2980, 8.7697



57.9065, 81.4805, 14.7739



18.3875, 19.5109, 18.2593



31.4340, 31.8247, 4.4860



2.9880, 3.1009, 0.4410



# Inverse Universe

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



21.8935, 14.3162, 93.7040



19.4441, 10.0083, 95.5147



23.3226, 11.1710, 93.0216



16.5897, 17.2563, 21.8417



9.9503, 5.2562, 48.4637



0.9960, 0.6357, 4.5134



# Previews

## White Background



This preview shows how the XYZ color 62.6164, 64.9982, 11.3435 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 62.6164, 64.9982, 11.3435 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 62.6164, 64.9982, 11.3435**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.6164, 64.9982, 11.3435.



This preview shows how white text looks on a background with the XYZ color 62.6164, 64.9982,



# 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

62.6164, 64.9982, 11.3435

### Protanopia

58.8865, 65.2587, 11.6830

### Deuteranopia

65.4652, 65.1196, 24.1579



## Tritanopia

72.0176, 64.7952, 67.7425

# Trichromacy



## Original Color

62.6164, 64.9982, 11.3435

## Protanomaly

60.0825, 65.1376, 11.5966

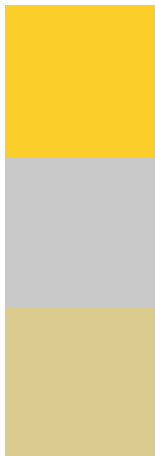
## Deuteranomaly

64.1456, 64.9284, 17.9557

## Tritanomaly

66.5629, 64.0243, 36.4534

# Monochromacy



## Original Color

62.6164, 64.9982, 11.3435

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

55.8291, 59.9107, 34.6080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.6164, 64.9982, 11.3435 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(252, 206, 41)` looks like.

```
.text, #text, p{  
    color:rgb(252, 206, 41)  
}
```

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(252, 206, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 206, 41) }
```

## Border

The CSS property to change the border of an element to XYZ 62.6164, 64.9982, 11.3435 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(252, 206, 41) }
```



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

```
.border{ border-color:rgb(252, 206, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 206, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 206, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 206, 41);  
box-shadow:4px 4px 4px 4px rgb(252, 206,  
41) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.6164, 64.9982, 11.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 206, 41) }
```

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

```
.background{ background-color: rgb(252,  
206, 41) }
```

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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