

# Converting Colors

XYZ(10.2672, 14.0578, 0.7020)

Have a look what the booklet for  
XYZ(10.2672, 14.0578, 0.7020)  
contains.

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# Color

**XYZ(10.5212, 14.1899,  
2.1844)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5E7100
RGB	94, 113, 0
RGB Percent	37%, 44%, 0%
CMY	0.6314, 0.5569, 1.0000
CMYK	0.17, 0.00, 1.00, 0.56
HSL	70°, 100%, 22%
HSV	70°, 100%, 44%
XYZ	10.5212, 14.1899, 2.1844
YIQ	94.4370, 24.9490, -39.1710

# Conversions

## Conversions Part 2

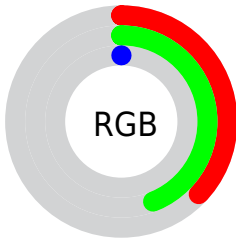
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 113, 19
Decimal	6189312
CIELab	44.50, -20.72, 49.97
CIELCh	45, 54.098, 112.519
Yxy	14.1899, 0.3912, 0.5276
Android (android.graphics.Color)	4284379392 (0xFF5E7100)
YUV	94.4370, -46.5574, -0.3832
Hunter-Lab	37.6695, -16.0660, 22.9305

# Details

The XYZ color **10.5212, 14.1899, 2.1844** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2496, 1.3310, 15.7092**, and the grayscale version is **10.8465, 11.4114, 12.4270**.

A 20% lighter version of the original color is **26.5102, 33.5431, 9.4921**, and **2.8866, 4.2942, 0.6767** is the 20% darker color. If you saturate the color by 10%, you get **10.5214, 14.1905, 2.1845**, and if you desaturate by 10%, it is **10.7810, 14.3171, 2.5213**.

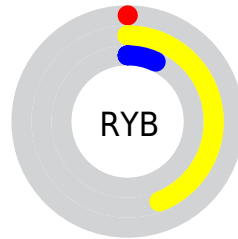
# Distribution



Red (37%)

Green (44%)

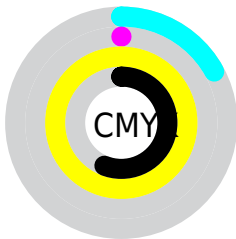
Blue (0%)



Red (0%)

Yellow (44%)

Blue (7%)

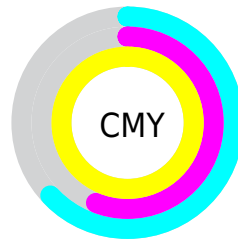


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (63%)

Magenta (56%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5212, 14.1899, 2.1844 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 10.5212, 14.1899, 2.1844 by changing the saturation by 10% instead.



10.5212, 14.1899,  
2.1844

10.5212, 14.1899,  
2.1844

188.3295,  
218.4090, 125.1775

5.8108, 8.2529,  
0.6653

26.4122, 33.4256,  
9.5391

2.7699, 4.2572,  
0.0000

38.3235, 47.4930,  
16.2416

1.0333, 1.8184,  
0.0000

53.3657, 65.0394,  
25.5190

0.0000, 0.4986,  
0.0000


71.9044, 86.4491,  
37.7897


0.0000, 0.0000,  
0.0000


94.3047, 112.1065,  
53.4724


120.9321,


142.3961, 72.9856


 152.1519,  
177.7021, 96.7477


 10.5212, 14.1899,  
2.1844


 10.5212, 14.1899,  
2.1844


 10.5214, 14.1905,  
2.1845

 10.7810, 14.3171,  
2.5213

 11.0717, 14.4567,  
2.9970

 11.4153, 14.6181,  
3.7263

 11.8175, 14.8035,  
4.7382

 12.2830, 15.0147,  
6.0576

■ 12.8160, 15.2536,  
7.7070

■ 13.4205, 15.5216,  
9.7065

■ 14.1000, 15.8201,  
12.0748

■ 14.8579, 16.1506,  
14.8292

# Harmonies

## Analogous

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



14.6096, 14.1899, 1.7716



10.5212, 14.1899, 2.1844



7.8629, 14.1899, 4.9539

# Triad

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



10.5212, 14.1899, 2.1844



8.9974, 14.1899, 43.4520



23.6376, 14.1899, 18.7960

# Complementary

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



10.5212, 14.1899, 2.1844



3.2496, 1.3310, 15.7092

# 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.



21.3040, 14.1899, 35.1780



10.5212, 14.1899, 2.1844



12.4236, 14.1899, 53.6375

# Square

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



10.5212, 14.1899, 2.1844



7.1247, 14.1899, 26.6060



16.9637, 14.1899, 49.9904



22.8208, 14.1899, 7.9517



# Rectangle

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



10.5212, 14.1899, 2.1844



6.9611, 14.1899, 9.2963



16.9637, 14.1899, 49.9904



23.1810, 14.1899, 23.8541

# Sweetspot

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



10.5215, 14.1905, 2.1847



23.9383, 27.7520, 17.0669



7.0406, 3.9712, 0.3956



5.4531, 6.3813, 3.6685



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471



# Same Dimension

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



10.5215, 14.1905, 2.1847



18.7465, 25.3614, 3.9072



6.6928, 12.2167, 2.0055



3.5895, 3.8892, 3.6348



11.9202, 16.0888, 2.4772



58.7527, 79.8221, 12.3106



# Inverse Universe

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



3.2496, 1.3310, 15.7092



5.7352, 2.3400, 28.1249



5.9090, 2.7020, 15.8337



3.2651, 3.3250, 4.2239



3.6727, 1.5028, 17.8181



17.7811, 7.2208, 88.7357



# Previews

## White Background



This preview shows how the XYZ color 10.5212, 14.1899, 2.1844 looks on a white 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 × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

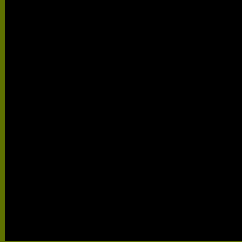
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 10.5212, 14.1899, 2.1844

## Background



This preview shows how black text looks on a background with the XYZ color 10.5212, 14.1899, 2.1844.



This preview shows how white text looks on a background with the XYZ color 10.5212, 14.1899,



# 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

10.5212, 14.1899, 2.1844

### Protanopia

12.6593, 14.0251, 2.0399

### Deuteranopia

14.3563, 14.1514, 2.6367



## Tritanopia

13.6257, 14.1790, 17.6414

# Trichromacy



## Original Color

10.5212, 14.1899, 2.1844

## Protanomaly

11.7930, 14.0401, 2.0885

## Deuteranomaly

12.7320, 14.0541, 2.4224

## Tritanomaly

11.7878, 13.9023, 8.1930

# Monochromacy



## Original Color

10.5212, 14.1899, 2.1844

## Achromatopsia

10.6392, 11.1932, 12.1894

## Achromatomaly

10.0854, 12.0133, 6.0622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 10.5212, 14.1899, 2.1844 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(94, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 113, 0)  
}
```

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(94, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 113, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 10.5212, 14.1899, 2.1844 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(94, 113, 0) }
```



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

```
.border{ border-color:rgb(94, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 113, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 10.5212, 14.1899, 2.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 113, 0) }
```

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

```
.background{ background-color: rgb(94, 113,  
0) }
```

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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