

# Converting Colors

XYZ(29.2835, 24.1265, 3.7201)

Have a look what the booklet for  
XYZ(29.2835, 24.1265, 3.7201)  
contains.

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# Color

**XYZ(29.2742, 24.1788,  
3.7401)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C57313
RGB	197, 115, 19
RGB Percent	77%, 45%, 7%
CMY	0.2275, 0.5490, 0.9255
CMYK	0.00, 0.42, 0.90, 0.23
HSL	32°, 82%, 42%
HSV	32°, 90%, 77%
XYZ	29.2742, 24.1788, 3.7401
YIQ	128.5740, 79.6880, -12.4720

# Conversions

## Conversions Part 2

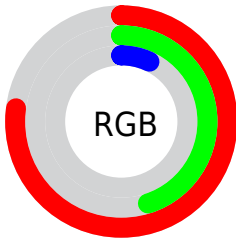
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 197, 19
Decimal	12940051
CIE Lab	56.27, 26.17, 59.58
CIE LCh	56, 65.078, 66.287
Yxy	24.1788, 0.5118, 0.4228
Android (android.graphics.Color)	4291130131 (0xFFC57313)
YUV	128.5740, -54.0200, 60.0096
Hunter-Lab	49.1719, 20.2179, 29.9107

# Details

The XYZ color **29.2742, 24.1788, 3.7401** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.9999, 13.4764, 54.6334**, and the grayscale version is **20.8813, 21.9687, 23.9239**.

A 20% lighter version of the original color is **56.3287, 49.4054, 13.2240**, and **12.2647, 9.2148, 1.1322** is the 20% darker color. If you saturate the color by 10%, you get **28.2058, 22.2303, 2.8043**, and if you desaturate by 10%, it is **30.6048, 26.4503, 5.3862**.

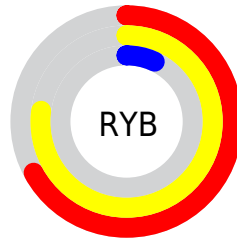
# Distribution



Red (77%)

Green (45%)

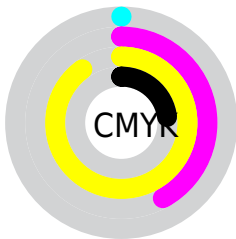
Blue (7%)



Red (67%)

Yellow (77%)

Blue (7%)

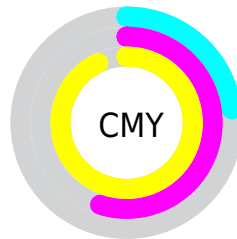


Cyan (0%)

Magenta (42%)

Yellow (90%)

Black (23%)



Cyan (23%)

Magenta (55%)

Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2742, 24.1788, 3.7401 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 29.2742, 24.1788, 3.7401 by changing the saturation by 10% instead.





 29.2742, 24.1788,  
3.7401


 29.2742, 24.1788,  
3.7401


290.4774,  
273.7232, 145.2912


 19.4337, 15.4663,  
1.4839


 57.9070, 50.3218,  
13.4058


 12.0899, 9.1473,  
0.2059


 77.4300, 68.5211,  
21.6523


 6.8776, 4.8374,  
0.0000


 100.9112, 90.6515,  
32.7327

 3.4313, 2.1522,  
0.0000

 128.7159,  
117.0974, 47.0655

 1.3857, 0.6937,  
0.0000

 161.2095,  
148.2430, 65.0692


 0.2460, 0.0000,  
0.0000


 198.7574,


 0.0000, 0.0000,


184.4730, 87.1623


0.0000


 241.7249,  
226.1716, 113.7635


 29.2742, 24.1788,  
3.7401


 29.2742, 24.1788,  
3.7401


 28.2058, 22.2303,  
2.8043

 30.6048, 26.4503,  
5.3862

 32.2086, 28.9975,  
7.9565

 34.1119, 31.8363,  
11.5743

 36.3368, 34.9798,  
16.3433

 38.9030, 38.4399,  
22.3544

■ 41.8283, 42.2275,  
29.6895

■ 45.1291, 46.3529,  
38.4234

■ 48.8207, 50.8261,  
48.6251

■ 52.9174, 55.6562,  
60.3592

# Harmonies

## Analogous

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



36.6567, 24.1788, 8.6818



29.2742, 24.1788, 3.7401



21.4397, 24.1788, 2.9267

# Triad

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



29.2742, 24.1788, 3.7401



11.4313, 24.1788, 31.1072



32.6034, 24.1788, 75.5421

# Complementary

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



29.2742, 24.1788, 3.7401



14.9999, 13.4764, 54.6334

# 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.



24.5949, 24.1788, 92.3020



29.2742, 24.1788, 3.7401



13.2162, 24.1788, 59.0649

# Square

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



29.2742, 24.1788, 3.7401



12.1552, 24.1788, 12.9776



17.6616, 24.1788, 85.0360



38.8525, 24.1788, 46.6450



# Rectangle

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



29.2742, 24.1788, 3.7401



17.1742, 24.1788, 3.9574



17.6616, 24.1788, 85.0360



29.9687, 24.1788, 83.3364

# Sweetspot

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



29.2747, 24.1801, 3.7405



76.5826, 77.7390, 57.5068



25.6603, 13.2967, 13.8022



15.9724, 16.1083, 11.2201



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.



29.2747, 24.1801, 3.7405



50.2619, 39.3038, 4.9373



41.5861, 51.0641, 8.2808



11.0998, 11.5687, 11.2107



18.6368, 14.7908, 1.8726



0.9543, 0.8441, 0.1126



# Inverse Universe

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



14.9999, 13.4764, 54.6334



24.4656, 20.0512, 97.1885



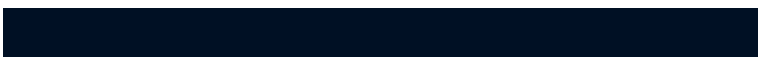
10.7102, 4.7029, 53.1661



10.4525, 11.0791, 13.5051



9.1569, 7.7078, 35.7495



0.5058, 0.5095, 1.7168



# Previews

## White Background



This preview shows how the XYZ color 29.2742, 24.1788, 3.7401 looks on a white 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



# Black Background



This preview shows how the XYZ color 29.2742, 24.1788, 3.7401 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 × Fail

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

**XYZ 29.2742, 24.1788, 3.7401**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.2742, 24.1788, 3.7401.



This preview shows how white text looks on a background with the XYZ color 29.2742, 24.1788,



# 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

29.2742, 24.1788, 3.7401

### Protanopia

21.9285, 24.3539, 4.4647

### Deuteranopia

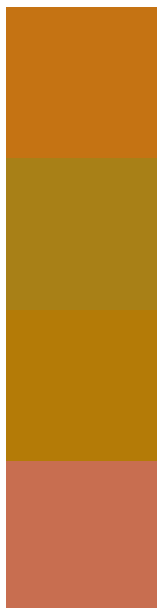
24.5138, 24.0963, 3.3590



## Tritanopia

32.4396, 24.1707, 19.1753

# Trichromacy



## Original Color

29.2742, 24.1788, 3.7401

## Protanomaly

24.0223, 23.8250, 4.1432

## Deuteranomaly

25.9437, 23.8846, 3.4438

## Tritanomaly

30.8433, 24.0104, 10.5983

# Monochromacy



## Original Color

29.2742, 24.1788, 3.7401

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

22.3372, 22.0066, 12.5216

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.2742, 24.1788, 3.7401 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(197, 115, 19)` looks like.

```
.text, #text, p{  
    color:rgb(197, 115, 19)  
}
```

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(197, 115, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 115, 19) }
```

## Border

The CSS property to change the border of an element to XYZ 29.2742, 24.1788, 3.7401 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(197, 115, 19) }
```



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

```
.border{ border-color:rgb(197, 115, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 115, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 115, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 115, 19);  
box-shadow:4px 4px 4px 4px rgb(197, 115,  
19) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.2742, 24.1788, 3.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 115, 19) }
```

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

```
.background{ background-color: rgb(197,  
115, 19) }
```

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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