

# Converting Colors

XYZ(47.0128, 51.5317, 7.6892)

Have a look what the booklet for  
XYZ(47.0128, 51.5317, 7.6892)  
contains.

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# Color

**XYZ(47.0726, 51.5962,  
7.7078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9BE08
RGB	217, 190, 8
RGB Percent	85%, 75%, 3%
CMY	0.1490, 0.2549, 0.9685
CMYK	0.00, 0.12, 0.96, 0.15
HSL	52°, 93%, 44%
HSV	52°, 96%, 85%
XYZ	47.0726, 51.5962, 7.7078
YIQ	177.3250, 74.5140, -50.8780

# Conversions

## Conversions Part 2

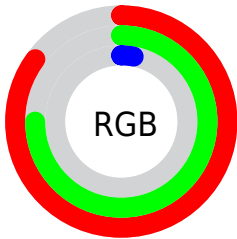
Format	Color
R <sub>Y</sub> B	39, 217, 8
Decimal	14269960
CIE Lab	77.04, -5.44, 77.68
CIE LCh	77, 77.867, 94.005
Yxy	51.5962, 0.4425, 0.4850
Android (android.graphics.Color)	4292460040 (0xFFD9BE08)
YUV	177.3250, -83.4772, 34.7950
Hunter-Lab	71.8305, -8.7272, 43.9192

# Details

The XYZ color **47.0726, 51.5962, 7.7078** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **13.2262, 6.2644, 66.1572**, and the grayscale version is **42.3617, 44.5678, 48.5343**.

A 20% lighter version of the original color is **75.8355, 87.8274, 21.5498**, and **22.8503, 25.0594, 3.6326** is the 20% darker color. If you saturate the color by 10%, you get **46.8062, 51.1338, 7.4029**, and if you desaturate by 10%, it is **47.8736, 52.8994, 8.8971**.

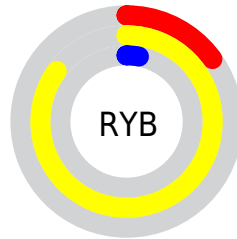
# Distribution



Red (85%)

Green (75%)

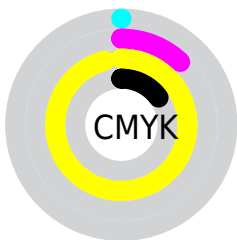
Blue (3%)



Red (15%)

Yellow (85%)

Blue (3%)

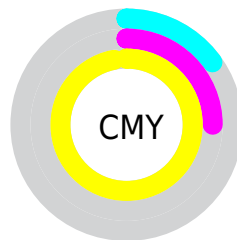


Cyan (0%)

Magenta (12%)

Yellow (96%)

Black (15%)



Cyan (15%)

Magenta (25%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0726, 51.5962, 7.7078 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 47.0726, 51.5962, 7.7078 by changing the saturation by 10% instead.





 47.0726, 51.5962,  
7.7078

 47.0726, 51.5962,  
7.7078


365.7483,  
392.8757, 183.2700


 33.3012, 36.6833,  
3.8235


 85.0401, 92.5354,  
21.9202


 22.5177, 24.9624,  
1.5290


 109.9669,  
119.3306, 33.0854


 14.3565, 16.0490,  
0.2394


 139.3429,  
150.8553, 47.5146

 8.4524, 9.5589,  
0.0000

 173.5334,  
187.4939, 65.6264

 4.4400, 5.1075,  
0.0000

 212.9039,  
229.6309, 87.8393

 1.9539, 2.3105,  
0.0000

 257.8196,

 0.6079, 0.7792,

277.6506, 114.5718

0.0000

308.6460,  
331.9374, 146.2426

■ 0.0000, 0.0000,  
0.0000

■ 47.0726, 51.5962,  
7.7078

■ 47.0726, 51.5962,  
7.7078

■ 46.8062, 51.1338,  
7.4029

■ 47.8736, 52.8994,  
8.8971

■ 48.8744, 54.2993,  
11.0857

■ 50.1107, 55.8123,  
14.4561

■ 51.6099, 57.4495,  
19.1526

■ 53.3956, 59.2203,  
25.2987

■ 55.4886, 61.1332,  
33.0040

■ 57.9078, 63.1959,  
42.3673

■ 60.6704, 65.4153,  
53.4794

■ 63.7925, 67.7981,  
66.4245

# Harmonies

## Analogous

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



62.6571, 51.5962, 10.0623



47.0726, 51.5962, 7.7078



34.7366, 51.5962, 11.9891

# Triad

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



47.0726, 51.5962, 7.7078



28.9666, 51.5962, 115.4789



79.4588, 51.5962, 100.2080

# Complementary

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



47.0726, 51.5962, 7.7078



13.2262, 6.2644, 66.1572

# Split Complementary

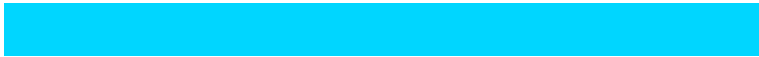
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8143, 51.5962, 154.9543



47.0726, 51.5962, 7.7078



37.5553, 51.5962, 166.4651

# Square

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



47.0726, 51.5962, 7.7078



25.7072, 51.5962, 62.0888



51.0628, 51.5962, 183.6906



83.4134, 51.5962, 50.6575



# Rectangle

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



47.0726, 51.5962, 7.7078



29.3692, 51.5962, 20.5099



51.0628, 51.5962, 183.6906



75.9736, 51.5962, 119.2843

# Sweetspot

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



47.0738, 51.5987, 7.7088



82.3737, 90.1745, 56.8068



29.0188, 15.0524, 3.0358



17.3107, 19.0274, 10.9186



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.



47.0738, 51.5987, 7.7088



67.3778, 73.5355, 10.6426



35.7350, 55.2509, 9.0114



14.0113, 14.9619, 13.8750



28.3891, 31.0638, 4.4997



1.8800, 2.0942, 0.3051



# Inverse Universe

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



13.2262, 6.2644, 66.1572



18.5921, 8.3043, 95.2307



16.3257, 7.0986, 66.1549



12.4736, 12.8869, 16.4821



7.8762, 3.6218, 40.0224



0.5555, 0.3252, 2.6079



# Previews

## White Background



This preview shows how the XYZ color 47.0726, 51.5962, 7.7078 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 47.0726, 51.5962, 7.7078 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 47.0726, 51.5962, 7.7078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0726, 51.5962, 7.7078.



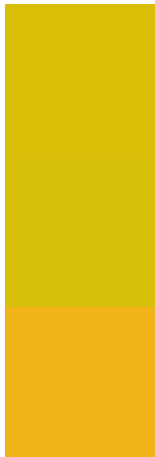
This preview shows how white text looks on a background with the XYZ color 47.0726, 51.5962,



# 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

47.0726, 51.5962, 7.7078

### Protanopia

46.7044, 51.7284, 7.7814

### Deuteranopia

52.4213, 51.2337, 7.9904



## Tritanopia

57.0113, 51.6560, 55.6810

# Trichromacy



## Original Color

47.0726, 51.5962, 7.7078

## Protanomaly

46.9990, 51.8803, 7.7952

## Deuteranomaly

50.5284, 51.4805, 7.8459

## Tritanomaly

51.1065, 50.7584, 26.1725

# Monochromacy



## Original Color

47.0726, 51.5962, 7.7078

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.6186, 45.9233, 23.1936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0726, 51.5962, 7.7078 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(217, 190, 8)` looks like.

```
.text, #text, p{  
    color:rgb(217, 190, 8)  
}
```

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(217, 190, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 190, 8) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0726, 51.5962, 7.7078 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(217, 190, 8) }
```



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

```
.border{ border-color:rgb(217, 190, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 190, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 190, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 190, 8);  
box-shadow:4px 4px 4px 4px rgb(217, 190,  
8) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0726, 51.5962, 7.7078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 190, 8) }
```

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

```
.background{ background-color: rgb(217,  
190, 8) }
```

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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