

# Converting Colors

XYZ(47.0513, 60.6800, 10.5289)

Have a look what the booklet for  
XYZ(47.0513, 60.6800, 10.5289)  
contains.

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# Color

**XYZ(47.0513, 60.6800,  
10.5289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2D81F
RGB	194, 216, 31
RGB Percent	76%, 85%, 12%
CMY	0.2392, 0.1529, 0.8784
CMYK	0.10, 0.00, 0.86, 0.15
HSL	67°, 75%, 48%
HSV	67°, 86%, 85%
XYZ	47.0513, 60.6800, 10.5289
YIQ	188.3320, 46.2730, -62.1990

# Conversions

## Conversions Part 2

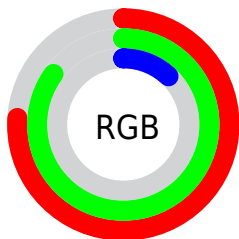
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 216, 53
Decimal	12769311
CIE <sub>Lab</sub>	82.21, -27.77, 77.52
CIE <sub>LCh</sub>	82, 82.347, 109.710
Yxy	60.6800, 0.3979, 0.5131
Android (android.graphics.Color)	4290959391 (0xFFC2D81F)
YUV	188.3320, -77.5647, 4.9708
Hunter-Lab	77.8974, -28.5034, 46.5143

# Details

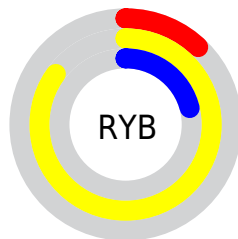
The XYZ color **47.0513, 60.6800, 10.5289** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **14.3548, 6.6961, 65.5054**, and the grayscale version is **48.4002, 50.9208, 55.4528**.

A 20% lighter version of the original color is **78.8377, 93.4727, 25.4421**, and **22.8982, 30.7240, 4.7235** is the 20% darker color. If you saturate the color by 10%, you get **46.2029, 60.2673, 9.4679**, and if you desaturate by 10%, it is **48.1042, 61.1802, 12.5952**.

# Distribution



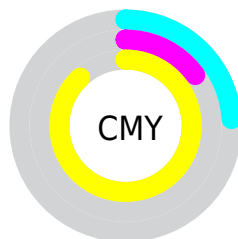
- Red (76%)
- Green (85%)
- Blue (12%)



- Red (12%)
- Yellow (85%)
- Blue (21%)



- Cyan (10%)
- Magenta (0%)
- Yellow (86%)
- Black (15%)




- Cyan (24%)
- Magenta (15%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0513, 60.6800, 10.5289 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 47.0513, 60.6800, 10.5289 by changing the saturation by 10% instead.





 47.0513, 60.6800,  
10.5289

 47.0513, 60.6800,  
10.5289


365.6648,  
427.0997, 205.0264

 33.2843, 43.9670,  
5.6409


 85.0085, 105.8155,  
27.4089

 22.5046, 30.6445,  
2.5627


 109.9294,  
135.0067, 40.2379


 14.3468, 20.3283,  
0.8731


 139.2990,  
169.1261, 56.5510

 8.4456, 12.6339,  
0.0000

 173.4826,  
208.5581, 76.7667

 4.4356, 7.1770,  
0.0000

 212.8457,  
253.6870, 101.3035

 1.9514, 3.5730,  
0.0000

 257.7535,

 0.6064, 1.4377,

304.8974, 130.5801

0.0000

308.5714,  
362.5735, 165.0149

■ 0.0000, 0.2443,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.0513, 60.6800,  
10.5289

■ 47.0513, 60.6800,  
10.5289

■ 46.2029, 60.2673,  
9.4679

■ 48.1042, 61.1802,  
12.5952

■ 45.8700, 60.1017,  
9.1832

■ 49.3904, 61.7729,  
15.8365

■ 50.9382, 62.4715,  
20.3949

■ 52.7705, 63.2853,  
26.3916

■ 54.9079, 64.2224,  
33.9340

■ 57.3689, 65.2904,  
43.1193

■ 60.1705, 66.4959,  
54.0367

■ 63.3283, 67.8453,  
66.7690

■ 66.8573, 69.3445,  
81.3938

# Harmonies

## Analogous

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



63.8985, 60.6800, 9.3699



47.0513, 60.6800, 10.5289



35.6215, 60.6800, 21.2834

# Triad

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



47.0513, 60.6800, 10.5289



38.5319, 60.6800, 170.2495



97.5354, 60.6800, 84.8293

# Complementary

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



47.0513, 60.6800, 10.5289



14.3548, 6.6961, 65.5054

# 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.



87.3470, 60.6800, 150.0654



47.0513, 60.6800, 10.5289



51.8684, 60.6800, 213.5407

# Square

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



47.0513, 60.6800, 10.5289



31.4363, 60.6800, 104.2045



69.7873, 60.6800, 204.7091



95.5188, 60.6800, 38.6006



# Rectangle

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



47.0513, 60.6800, 10.5289



31.5142, 60.6800, 37.9629



69.7873, 60.6800, 204.7091



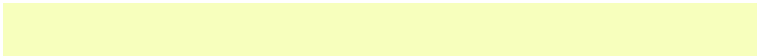
95.3557, 60.6800, 105.4528

# Sweetspot

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



47.0527, 60.6828, 10.5302



83.3104, 94.9758, 61.9148



29.8227, 17.2082, 3.0468



17.5541, 20.2085, 12.2025



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.



47.0527, 60.6828, 10.5302



66.7073, 87.4739, 13.3683



30.2759, 52.0340, 9.7450



13.3206, 14.4415, 13.2461



27.2093, 35.6032, 5.4380



1.6831, 2.1691, 0.3300



# Inverse Universe

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



14.3548, 6.6961, 65.5054



18.5952, 7.5011, 95.0755



24.5788, 11.9668, 65.9839



11.8785, 12.0788, 15.6429



7.6315, 3.0867, 38.6467



0.5070, 0.2103, 2.3332



# Previews

## White Background



This preview shows how the XYZ color 47.0513, 60.6800, 10.5289 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 47.0513, 60.6800, 10.5289 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 47.0513, 60.6800, 10.5289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0513, 60.6800, 10.5289.



This preview shows how white text looks on a background with the XYZ color 47.0513, 60.6800,



# 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

47.0513, 60.6800, 10.5289

### Protanopia

54.6623, 60.5648, 9.8461

### Deuteranopia

61.4572, 60.2137, 13.2338



## Tritanopia

59.9894, 60.4847, 74.1586

# Trichromacy



**Original Color**

47.0513, 60.6800, 10.5289

**Protanomaly**

51.6253, 60.4365, 10.0431

**Deuteranomaly**

55.3446, 59.8126, 11.8768

**Tritanomaly**

52.3980, 59.1499, 37.0892

# Monochromacy



**Original Color**

47.0513, 60.6800, 10.5289

**Achromatopsia**

47.7994, 50.2886, 54.7643

**Achromatomaly**

45.5260, 52.9740, 29.2983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0513, 60.6800, 10.5289 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(194, 216, 31)` looks like.

```
.text, #text, p{  
    color:rgb(194, 216, 31)  
}
```

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(194, 216, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 216, 31) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0513, 60.6800, 10.5289 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(194, 216, 31) }
```



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

```
.border{ border-color:rgb(194, 216, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 216, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 216, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 216, 31);  
box-shadow:4px 4px 4px 4px rgb(194, 216,  
31) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0513, 60.6800, 10.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 216, 31) }
```

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

```
.background{ background-color: rgb(194,  
216, 31) }
```

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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