

# Converting Colors

XYZ(47.2465, 60.5114, 14.9772)

Have a look what the booklet for  
XYZ(47.2465, 60.5114, 14.9772)  
contains.

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# Color

**XYZ(47.3996, 60.7604,  
15.0241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0D846
RGB	192, 216, 70
RGB Percent	75%, 85%, 27%
CMY	0.2471, 0.1529, 0.7255
CMYK	0.11, 0.00, 0.68, 0.15
HSL	70°, 65%, 56%
HSV	70°, 68%, 85%
XYZ	47.3996, 60.7604, 15.0241
YIQ	192.1800, 32.5620, -50.4940

# Conversions

## Conversions Part 2

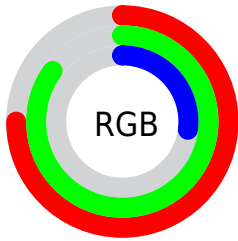
Format	Color
<a href="#">RYB</a>	<a href="#">70, 216, 94</a>
Decimal	<a href="#">12638278</a>
CIELab	<a href="#">82.25, -26.99, 66.05</a>
CIELCh	<a href="#">82, 71.347, 112.224</a>
Yxy	<a href="#">60.7604, 0.3848, 0.4932</a>
Android (android.graphics.Color)	<a href="#">4290828358 (0xFFC0D846)</a>
YUV	<a href="#">192.1800, -60.2347, -0.1579</a>
Hunter-Lab	<a href="#">77.9490, -27.8675, 43.1366</a>

# Details

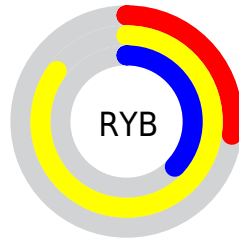
The XYZ color **47.3996, 60.7604, 15.0241** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.2031, 11.7194, 66.2193**, and the grayscale version is **50.5374, 53.1693, 57.9013**.

A 20% lighter version of the original color is **79.3096, 93.5356, 33.6128**, and **22.7365, 30.6406, 4.7159** is the 20% darker color. If you saturate the color by 10%, you get **45.9487, 60.0796, 12.0151**, and if you desaturate by 10%, it is **49.1202, 61.5560, 19.3277**.

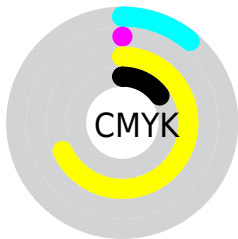
# Distribution



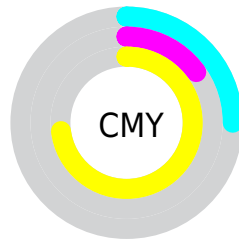
- Red (75%)
- Green (85%)
- Blue (27%)



- Red (27%)
- Yellow (85%)
- Blue (37%)



- Cyan (11%)
- Magenta (0%)
- Yellow (68%)
- Black (15%)



- Cyan (25%)
- Magenta (15%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3996, 60.7604, 15.0241 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 47.3996, 60.7604, 15.0241 by changing the saturation by 10% instead.



■ 47.3996, 60.7604,  
15.0241

■ 47.3996, 60.7604,  
15.0241

367.0296,  
427.3949, 235.1578

■ 33.5609, 44.0318,  
8.6895

■ 85.5249, 105.9319,  
35.6384

■ 22.7178, 30.6955,  
4.4452

■ 110.5423,  
135.1437, 50.7551

■ 14.5048, 20.3671,  
1.8726

■ 140.0166,  
169.2853, 69.6363

■ 8.5566, 12.6622,  
0.4752

■ 174.3132,  
208.7412, 92.7004

■ 4.5079, 7.1963,  
0.0000

■ 213.7974,  
253.8957, 120.3661

■ 1.9933, 3.5852,  
0.0000

258.8347,

■ 0.6302, 1.4443,

305.1332, 153.0519

0.0000

309.7903,  
362.8382, 191.1763

■ 0.0000, 0.2491,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.3996, 60.7604,  
15.0241

■ 47.3996, 60.7604,  
15.0241

■ 45.9487, 60.0796,  
12.0151

■ 49.1202, 61.5560,  
19.3277

■ 44.7354, 59.4941,  
10.1508

■ 51.1300, 62.4676,  
25.0463

■ 43.7227, 58.9914,  
9.2315

■ 53.4514, 63.5064,  
32.2912

■ 43.4937, 58.8766,  
9.0720

■ 56.1034, 64.6799,  
41.1611

■ 59.1033, 65.9953,  
51.7469

■ 62.4672, 67.4588,  
64.1324

■ 66.2102, 69.0765,  
78.3961

■ 70.3464, 70.8542,  
94.6118

■ 73.3366, 72.1761,  
104.6739

# Harmonies

## Analogous

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



61.7910, 60.7604, 13.0884



47.3996, 60.7604, 15.0241



37.6158, 60.7604, 27.0256

# Triad

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



47.3996, 60.7604, 15.0241



41.6524, 60.7604, 156.6688



91.7673, 60.7604, 78.1253

# Complementary

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



47.3996, 60.7604, 15.0241



19.2031, 11.7194, 66.2193

# 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.



84.0305, 60.7604, 131.7143



47.3996, 60.7604, 15.0241



53.8909, 60.7604, 188.3553

# Square

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



47.3996, 60.7604, 15.0241



34.7256, 60.7604, 103.0793



69.5092, 60.7604, 177.6353



89.2044, 60.7604, 39.3097



# Rectangle

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



47.3996, 60.7604, 15.0241



34.1766, 60.7604, 43.7775



69.5092, 60.7604, 177.6353



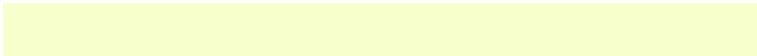
90.2437, 60.7604, 95.1015

# Sweetspot

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



47.4010, 60.7632, 15.0254



84.8810, 95.5838, 71.1025



33.2451, 22.6799, 8.4207



17.8997, 20.3413, 14.2677



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.



47.4010, 60.7632, 15.0254



66.1333, 87.1153, 16.1746



33.5628, 53.6293, 14.3778



13.2631, 14.4118, 13.2434



25.8205, 34.8873, 5.3730



1.6120, 2.1324, 0.3266



# Inverse Universe

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



19.2031, 11.7194, 66.2193



22.6410, 11.1832, 95.5730



30.0832, 17.3283, 66.7285



11.9310, 12.1058, 15.6453



7.8178, 3.1827, 38.6554



0.5317, 0.2230, 2.3343



# Previews

## White Background



This preview shows how the XYZ color 47.3996, 60.7604, 15.0241 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 47.3996, 60.7604, 15.0241 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 47.3996, 60.7604, 15.0241**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3996, 60.7604, 15.0241.



This preview shows how white text looks on a background with the XYZ color 47.3996, 60.7604,



# 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

47.3996, 60.7604, 15.0241

### Protanopia

55.1575, 60.7259, 14.1243

### Deuteranopia

61.5400, 60.2045, 15.5848



## Tritanopia

59.5075, 60.5684, 74.8842

# Trichromacy



## Original Color

47.3996, 60.7604, 15.0241

## Protanomaly

52.1628, 60.6172, 14.4199

## Deuteranomaly

55.3455, 59.7380, 15.2702

## Tritanomaly

53.3708, 59.8625, 43.8636

# Monochromacy



## Original Color

47.3996, 60.7604, 15.0241

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

47.9702, 55.1179, 36.1275

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3996, 60.7604, 15.0241 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(192, 216, 70)` looks like.

```
.text, #text, p{  
    color:rgb(192, 216, 70)  
}
```

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(192, 216, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 216, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3996, 60.7604, 15.0241 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(192, 216, 70) }
```



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

```
.border{ border-color:rgb(192, 216, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 216, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 216, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 216, 70);  
box-shadow:4px 4px 4px 4px rgb(192, 216,  
70) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3996, 60.7604, 15.0241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 216, 70) }
```

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

```
.background{ background-color: rgb(192,  
216, 70) }
```

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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