

Converting Colors

XYZ(62.1246, 70.7503, 11.3808)

Have a look what the booklet for
XYZ(62.1246, 70.7503, 11.3808)
contains.

XYZ(62.2429, 70.8424, 11.3707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.2429, 70.8424,
11.3707)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DE1A
RGB	240, 222, 26
RGB Percent	94%, 87%, 10%
CMY	0.0588, 0.1294, 0.8980
CMYK	0.00, 0.07, 0.89, 0.06
HSL	55°, 88%, 52%
HSV	55°, 89%, 94%
XYZ	62.2429, 70.8424, 11.3707
YIQ	205.0380, 73.6440, -57.1400

Conversions

Conversions Part 2

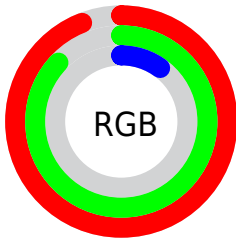
Format	Color
R _Y B	46, 240, 26
Decimal	15785498
CIE Lab	87.41, -11.53, 84.11
CIE LCh	87, 84.894, 97.805
Yxy	70.8424, 0.4309, 0.4904
Android (android.graphics.Color)	4293975578 (0xFFF0DE1A)
YUV	205.0380, -88.2657, 30.6617
Hunter-Lab	84.1679, -15.2916, 50.9077

Details

The XYZ color **62.2429, 70.8424, 11.3707** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **17.0554, 8.3130, 83.1430**, and the grayscale version is **58.5665, 61.6165, 67.1004**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **32.4091, 37.2211, 5.4763** is the 20% darker color. If you saturate the color by 10%, you get **61.5361, 69.7099, 10.2699**, and if you desaturate by 10%, it is **63.1732, 72.0800, 13.6025**.

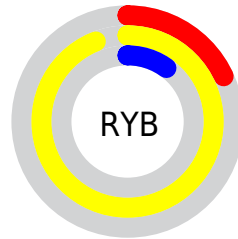
Distribution



Red (94%)

Green (87%)

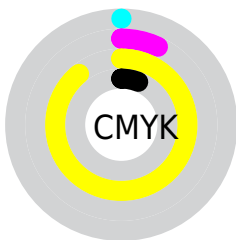
Blue (10%)



Red (18%)

Yellow (94%)

Blue (10%)

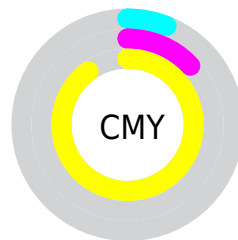


Cyan (0%)

Magenta (7%)

Yellow (89%)

Black (6%)



Cyan (6%)


Magenta (13%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.2429, 70.8424, 11.3707 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 62.2429, 70.8424, 11.3707 by changing the saturation by 10% instead.


 62.2429, 70.8424,
11.3707

 62.2429, 70.8424,
11.3707


422.5200,
463.5023, 211.0213


 45.4853, 52.2136,
6.1995


 107.1645,
120.4093, 28.9907

 32.0428, 37.1754,
2.8960


 136.0592,
152.1162, 42.2765


 21.5499, 25.3433,
1.0418


 169.7303,
188.9512, 59.1043

 13.6413, 16.3330,
0.0000

 208.5433,
231.2988, 79.8926

 7.9516, 9.7601,
0.0000

 252.8634,
279.5433, 105.0599

 4.1156, 5.2402,
0.0000

 303.0559,

 1.7677, 2.3889,

334.0691, 135.0247

0.0000

359.4864,
395.2606, 170.2057

■ 0.4981, 0.8202,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2429, 70.8424,
11.3707

■ 62.2429, 70.8424,
11.3707

■ 61.5361, 69.7099,
10.2699

■ 63.1732, 72.0800,
13.6025

■ 61.4806, 69.6166,
10.1970

■ 64.3793, 73.4356,
17.2625

■ 65.9002, 74.9273,
22.5480

■ 67.7673, 76.5680,
29.6245

■ 70.0081, 78.3685,
38.6369

■ 72.6474, 80.3388,
49.7154

■ 75.7077, 82.4880,
62.9789

■ 79.2100, 84.8246,
78.5374

■ 83.1737, 87.3562,
96.4933

Harmonies

Analogous

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



82.9382, 70.8424, 13.4830



62.2429, 70.8424, 11.3707



46.3965, 70.8424, 18.7226

Triad

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



62.2429, 70.8424, 11.3707



41.2805, 70.8424, 166.3068



109.6075, 70.8424, 126.6951

Complementary

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



62.2429, 70.8424, 11.3707



17.0554, 8.3130, 83.1430

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.



93.7772, 70.8424, 201.0522



62.2429, 70.8424, 11.3707



53.8204, 70.8424, 230.7439

Square

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



62.2429, 70.8424, 11.3707



35.9567, 70.8424, 93.0867



72.6945, 70.8424, 245.8952



113.0956, 70.8424, 63.1190

Rectangle

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



62.2429, 70.8424, 11.3707



39.7415, 70.8424, 32.0625



72.6945, 70.8424, 245.8952



105.4207, 70.8424, 151.9959

Sweetspot

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



62.2445, 70.8458, 11.3721



84.0598, 92.6933, 59.9992



36.8261, 19.4731, 4.5510



17.7515, 19.6664, 11.8131



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.



62.2445, 70.8458, 11.3721



70.5373, 79.8546, 11.6958



44.7502, 69.3042, 11.9966



17.0026, 18.2183, 16.7701



33.7041, 38.2062, 5.5981



2.8371, 3.2449, 0.4768

Inverse Universe

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



17.0554, 8.3130, 83.1430



18.3263, 7.7727, 95.1421



22.7302, 10.4498, 83.2564



15.0041, 15.4423, 19.9115



8.7869, 3.7981, 45.3979



0.7675, 0.3889, 3.7888

Previews

White Background



This preview shows how the XYZ color 62.2429, 70.8424, 11.3707 looks on a white background.

Color Contrast Check

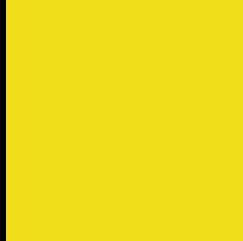
Large Text (above 18pt) WCAG AA × Fail

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 62.2429, 70.8424, 11.3707 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 62.2429, 70.8424, 11.3707

Background



This preview shows how black text looks on a background with the XYZ color 62.2429, 70.8424, 11.3707.



This preview shows how white text looks on a background with the XYZ color 62.2429, 70.8424,

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

62.2429, 70.8424, 11.3707

Protanopia

64.1264, 71.0307, 11.2502

Deuteranopia

70.0499, 70.4536, 37.5106



Tritanopia

75.8986, 70.3530, 79.3912

Trichromacy



Original Color

62.2429, 70.8424, 11.3707

Protanomaly

63.3401, 71.0162, 11.2888



Deuteranomaly

66.4284, 70.4150, 22.9223



Tritanomaly

67.8408, 69.2778, 39.0745

Monochromacy



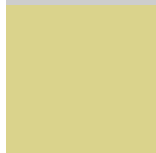
Original Color

62.2429, 70.8424, 11.3707



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

56.9413, 63.3874, 34.0448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2429, 70.8424, 11.3707 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(240, 222, 26)` looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 26)  
}
```

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(240, 222, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 26) }
```

Border

The CSS property to change the border of an element to XYZ 62.2429, 70.8424, 11.3707 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(240, 222, 26) }
```


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

```
.border{ border-color:rgb(240, 222, 26) }
```

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

Here you see how a box with a 4 pixel rgb(240, 222, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 222, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 222, 26);  
box-shadow:4px 4px 4px 4px rgb(240, 222,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2429, 70.8424, 11.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 26) }
```

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

```
.background{ background-color: rgb(240,  
222, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor