

Converting Colors

XYZ(60.8294, 71.7587, 46.2421)

Have a look what the booklet for
XYZ(60.8294, 71.7587, 46.2421)
contains.

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Color

**XYZ(60.8294, 71.7587,
46.2421)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E4A5
RGB	209, 228, 165
RGB Percent	82%, 89%, 65%
CMY	0.1804, 0.1059, 0.3529
CMYK	0.08, 0.00, 0.28, 0.11
HSL	78°, 54%, 77%
HSV	78°, 28%, 89%
XYZ	60.8294, 71.7587, 46.2421
YIQ	215.1370, 8.8990, -23.6210

Conversions

Conversions Part 2

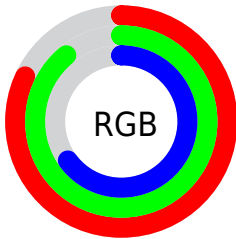
Format	Color
RYB	165, 228, 184
Decimal	13755557
CIELab	87.85, -16.75, 28.72
CIELCh	88, 33.251, 120.255
Yxy	71.7587, 0.3402, 0.4013
Android (android.graphics.Color)	4291945637 (0xFFD1E4A5)
YUV	215.1370, -24.7175, -5.3821
Hunter-Lab	84.7105, -20.0651, 26.9319

Details

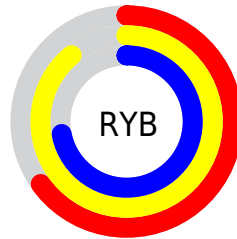
The XYZ color **60.8294, 71.7587, 46.2421** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.2288, 42.7040, 79.1562**, and the grayscale version is **64.8437, 68.2206, 74.2922**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **31.2506, 37.9494, 21.3007** is the 20% darker color. If you saturate the color by 10%, you get **57.0329, 70.0225, 36.1804**, and if you desaturate by 10%, it is **65.0837, 73.6925, 58.2593**.

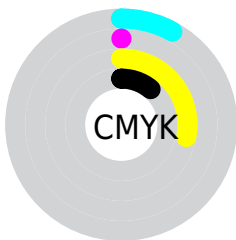
Distribution



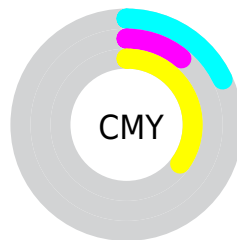
- Red (82%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (72%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)





- Cyan (18%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.8294, 71.7587, 46.2421 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 60.8294, 71.7587, 46.2421 by changing the saturation by 10% instead.


 60.8294, 71.7587,
46.2421


 60.8294, 71.7587,
46.2421


417.4341,
466.7013, 388.0869

 44.3395, 52.9616,
32.0869


 105.1314,
121.7134, 85.9193

 31.1366, 37.7721,
21.1625


 133.6742,
153.6398, 112.2783

 20.8552, 25.8059,
13.0504


166.9654,
190.7114, 143.5424

 13.1301, 16.6785,
7.3321

205.3703,
233.3126, 180.1300

 7.5958, 10.0055,
3.5891

249.2543,
281.8278, 222.4598

 3.8870, 5.4026,
1.4027

298.9826,

 1.6384, 2.4854,

336.6413, 270.9501

0.1439

354.9208,
398.1377, 326.0197

0.4173, 0.8693,
0.0000

0.0000, 0.0000,
0.0000

60.8294, 71.7587,
46.2421

60.8294, 71.7587,
46.2421

57.0329, 70.0225,
36.1804

65.0837, 73.6925,
58.2593

53.6678, 68.4661,
27.9660

69.8094, 75.8223,
72.3234

50.7135, 67.0835,
21.4874

75.0264, 78.1586,
88.5254

48.1452, 65.8645,
16.6189

80.5571, 80.6304,
105.9251

■ 45.9345, 64.7979,
13.2181

■ 82.8916, 81.8339,
106.0344

■ 44.0486, 63.8702,
11.1177

■ 85.3151, 83.0832,
106.1478

■ 42.4433, 63.0637,
10.0905

■ 87.0349, 83.9698,
106.2283

■ 42.0881, 62.8840,
9.9195

Harmonies

Analogous

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



68.1368, 71.7587, 42.1875



60.8294, 71.7587, 46.2421



55.8408, 71.7587, 58.4655

Triad

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



60.8294, 71.7587, 46.2421



60.9382, 71.7587, 122.3482



84.5603, 71.7587, 77.9391

Complementary

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



60.8294, 71.7587, 46.2421



47.2288, 42.7040, 79.1562

Split Complementary

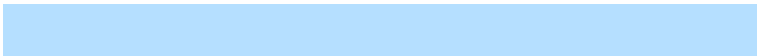
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2704, 71.7587, 101.7801



60.8294, 71.7587, 46.2421



68.2723, 71.7587, 130.2453

Square

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



60.8294, 71.7587, 46.2421



55.9001, 71.7587, 102.1815



76.1528, 71.7587, 122.0867



82.1937, 71.7587, 58.1889

Rectangle

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



60.8294, 71.7587, 46.2421



54.2946, 71.7587, 70.9946



76.1528, 71.7587, 122.0867



84.3077, 71.7587, 85.7346

Sweetspot

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



60.8312, 71.7619, 46.2436



89.7098, 97.6066, 92.4063



55.9087, 53.4523, 42.9690



18.9965, 20.7996, 19.1578



0.0000, 0.0000, 0.0000



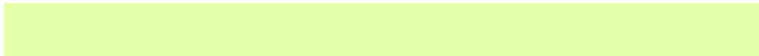
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.8312, 71.7619, 46.2436



75.6064, 91.2141, 52.0744



52.8057, 67.6246, 45.8680



15.1562, 16.5876, 15.3074



24.4273, 36.3742, 5.7335



1.8980, 2.7358, 0.4280

Inverse Universe

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



47.2288, 42.7040, 79.1562



55.4105, 48.0563, 100.9631



55.6032, 47.0212, 79.5481



13.9896, 14.0968, 18.1280



9.5992, 4.0145, 42.6521



0.8009, 0.3438, 3.1561

Previews

White Background



This preview shows how the XYZ color 60.8294, 71.7587, 46.2421 looks on a white background.

Color Contrast Check

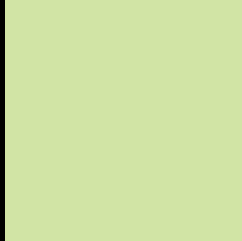
Large Text (above 18pt) WCAG AA × Fail

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 60.8294, 71.7587, 46.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

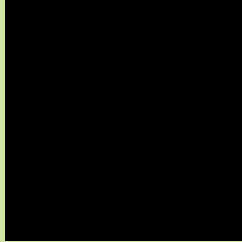
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

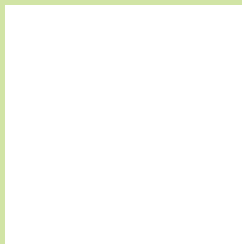
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.8294, 71.7587, 46.2421

Background



This preview shows how black text looks on a background with the XYZ color 60.8294, 71.7587, 46.2421.



This preview shows how white text looks on a background with the XYZ color 60.8294, 71.7587,

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

60.8294, 71.7587, 46.2421

Protanopia

66.6183, 71.5925, 44.0258

Deuteranopia

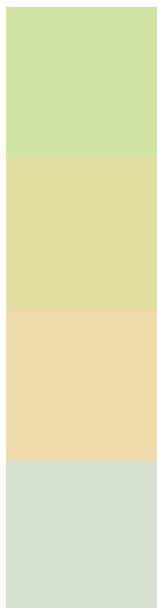
72.4235, 71.4030, 50.0094



Tritanopia

69.6853, 71.7792, 89.5389

Trichromacy



Original Color

60.8294, 71.7587, 46.2421

Protanomaly

64.2733, 71.5527, 44.6059

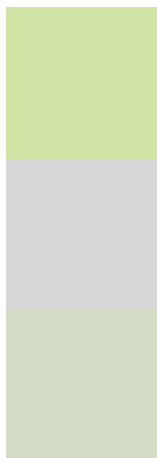
Deuteranomaly

67.6820, 71.2602, 48.7155

Tritanomaly

65.7785, 71.3428, 71.2764

Monochromacy



Original Color

60.8294, 71.7587, 46.2421

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.1118, 69.3638, 62.8855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.8294, 71.7587, 46.2421 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(209, 228, 165)` looks like.

```
.text, #text, p{  
    color:rgb(209, 228, 165)  
}
```

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(209, 228, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 228, 165) }
```

Border

The CSS property to change the border of an element to XYZ 60.8294, 71.7587, 46.2421 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(209, 228, 165) }
```


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

```
.border{ border-color:rgb(209, 228, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 228, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 228, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 228, 165);  
box-shadow:4px 4px 4px 4px rgb(209, 228,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 60.8294, 71.7587, 46.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 228, 165) }
```

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

```
.background{ background-color: rgb(209,  
228, 165) }
```

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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