

Converting Colors

XYZ(61.6219, 71.4660, 29.8654)

Have a look what the booklet for
XYZ(61.6219, 71.4660, 29.8654)
contains.

XYZ(61.6782, 71.3386, 29.9210)	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(61.6782, 71.3386,
29.9210)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E17D
RGB	225, 225, 125
RGB Percent	88%, 88%, 49%
CMY	0.1176, 0.1176, 0.5098
CMYK	0.00, 0.00, 0.44, 0.12
HSL	60°, 63%, 69%
HSV	60°, 44%, 88%
XYZ	61.6782, 71.3386, 29.9210
YIQ	213.6000, 32.1000, -31.1000

Conversions

Conversions Part 2

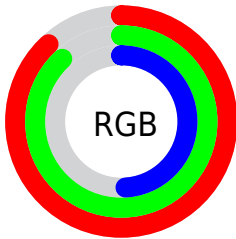
Format	Color
RYB	125, 225, 125
Decimal	14803325
CIELab	87.65, -13.88, 48.68
CIELCh	88, 50.619, 105.919
Yxy	71.3386, 0.3785, 0.4378
Android (android.graphics.Color)	4292993405 (0xFFE1E17D)
YUV	213.6000, -43.6798, 9.9978
Hunter-Lab	84.4622, -17.4598, 38.1199

Details

The XYZ color **61.6782, 71.3386, 29.9210** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.3841, 24.4652, 74.4119**, and the grayscale version is **63.9182, 67.2469, 73.2319**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **31.7258, 37.5553, 11.8801** is the 20% darker color. If you saturate the color by 10%, you get **60.4009, 70.8302, 23.1895**, and if you desaturate by 10%, it is **63.2846, 71.9838, 38.3702**.

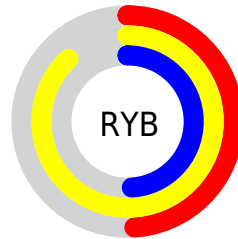
Distribution



Red (88%)

Green (88%)

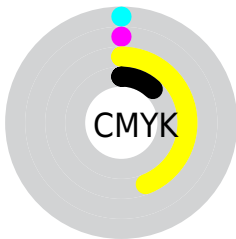
Blue (49%)



Red (49%)

Yellow (88%)

Blue (49%)

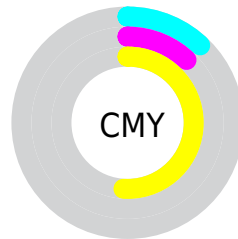


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6782, 71.3386, 29.9210 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 61.6782, 71.3386, 29.9210 by changing the saturation by 10% instead.

■ 61.6782, 71.3386,
29.9210

■ 61.6782, 71.3386,
29.9210

420.4926,
465.2362, 315.7319

■ 45.0273, 52.6186,
19.5271

■ 106.3529,
121.1157, 60.5968

■ 31.6803, 37.4984,
11.8711

■ 135.1074,
152.9416, 81.7157

■ 21.2718, 25.5936,
6.5345

■ 168.6272,
189.9049, 107.2467

■ 13.4364, 16.5198,
3.0987

207.2776,
232.3900, 137.6083

■ 7.8088, 9.8928,
1.1453

251.4240,
280.7813, 173.2191

■ 4.0236, 5.3279,
0.0000

301.4317,

■ 1.7155, 2.4409,

335.4631, 214.4976

0.0000

357.6661,
396.8200, 261.8623

■ 0.4659, 0.8468,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6782, 71.3386,
29.9210

■ 61.6782, 71.3386,
29.9210

■ 60.4009, 70.8302,
23.1895

■ 63.2846, 71.9838,
38.3702

■ 59.4253, 70.4399,
18.0540


■ 65.2350, 72.7640,
48.6388


■ 58.7279, 70.1609,
14.3839


■ 67.5498, 73.6900,
60.8262


■ 58.2798, 69.9816,
12.0263


■ 70.2462, 74.7686,
75.0229


 58.0454, 69.8878,
10.7945


 73.3403, 76.0063,
91.3140

 57.9757, 69.8599,
10.4287

 76.0306, 77.0824,
105.4789

 76.0311, 77.0827,
105.4789

 76.0315, 77.0829,
105.4789

 76.0319, 77.0831,
105.4790

Harmonies

Analogous

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



73.5685, 71.3386, 29.6318



61.6782, 71.3386, 29.9210



52.5599, 71.3386, 40.2110

Triad

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



61.6782, 71.3386, 29.9210



53.0023, 71.3386, 135.3941



92.7069, 71.3386, 94.8665

Complementary

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



61.6782, 71.3386, 29.9210



29.3841, 24.4652, 74.4119

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.



85.7456, 71.3386, 133.2371



61.6782, 71.3386, 29.9210



62.3511, 71.3386, 160.8992

Square

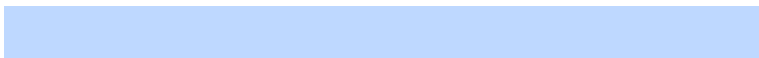
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.6782, 71.3386, 29.9210



47.9688, 71.3386, 97.2226



74.3251, 71.3386, 160.0103



92.4713, 71.3386, 60.9417

Rectangle

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



61.6782, 71.3386, 29.9210



48.8651, 71.3386, 53.7361



74.3251, 71.3386, 160.0103



91.0984, 71.3386, 107.8405

Sweetspot

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



61.6799, 71.3419, 29.9225



90.1640, 98.0455, 83.1744



42.0890, 32.1572, 23.3916



19.1401, 20.9223, 16.9671



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.



61.6799, 71.3419, 29.9225



80.3780, 94.1309, 31.6543



48.3088, 64.4488, 29.2967



14.8717, 16.0296, 14.6170



33.4063, 40.2541, 6.0091



2.3156, 2.7902, 0.4165

Inverse Universe

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



29.3841, 24.4652, 74.4119



32.4745, 24.5998, 97.6444



38.6056, 29.2190, 74.8435



12.9522, 13.2434, 17.2613



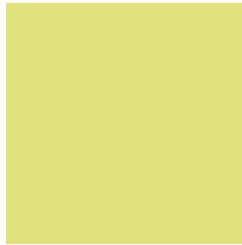
7.8317, 3.1327, 41.2403



0.5429, 0.2172, 2.8585

Previews

White Background



This preview shows how the XYZ color 61.6782, 71.3386, 29.9210 looks on a white background.

Color Contrast Check

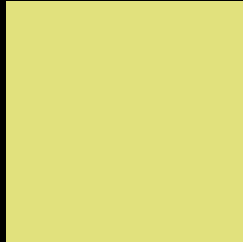
Large Text (above 18pt) WCAG AA × Fail

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 61.6782, 71.3386, 29.9210 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 61.6782, 71.3386, 29.9210

Background



This preview shows how black text looks on a background with the XYZ color 61.6782, 71.3386, 29.9210.



This preview shows how white text looks on a background with the XYZ color 61.6782, 71.3386,

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

61.6782, 71.3386, 29.9210

Protanopia

65.4440, 71.3172, 29.0552

Deuteranopia

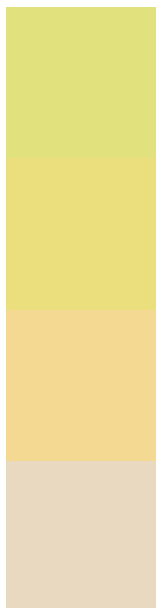
71.1286, 70.8850, 43.1910



Tritanopia

72.6692, 71.1345, 84.7632

Trichromacy



Original Color

61.6782, 71.3386, 29.9210

Protanomaly

64.0203, 71.3600, 29.4684

Deuteranomaly

67.3875, 70.9654, 37.7497

Tritanomaly

67.6060, 70.5873, 59.9307

Monochromacy



Original Color

61.6782, 71.3386, 29.9210

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.4283, 68.4256, 54.1731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6782, 71.3386, 29.9210 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(225, 225, 125)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 125)  
}
```

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(225, 225, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 125) }
```

Border

The CSS property to change the border of an element to XYZ 61.6782, 71.3386, 29.9210 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(225, 225, 125) }
```


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

```
.border{ border-color:rgb(225, 225, 125) }
```

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

Here you see how a box with a 4 pixel rgb(225, 225, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 125);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6782, 71.3386, 29.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 125) }
```

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

```
.background{ background-color: rgb(225,  
225, 125) }
```

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