

Converting Colors

XYZ(61.8386, 77.3941, 12.5339)

Have a look what the booklet for
XYZ(61.8386, 77.3941, 12.5339)
contains.

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Color

**XYZ(61.7907, 77.2226,
12.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EE18
RGB	225, 238, 24
RGB Percent	88%, 93%, 9%
CMY	0.1177, 0.0666, 0.9058
CMYK	0.05, 0.00, 0.90, 0.07
HSL	64°, 86%, 51%
HSV	64°, 90%, 93%
XYZ	61.7907, 77.2226, 12.5129
YIQ	209.7170, 60.9460, -69.3100

Conversions

Conversions Part 2

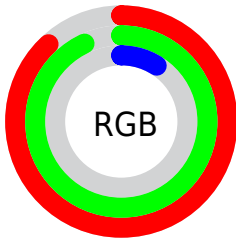
Format	Color
R_{YB}	24, 238, 37
Decimal	14806552
CIE _{Lab}	90.42, -25.58, 86.25
CIE _{LCh}	90, 89.967, 106.519
Yxy	77.2226, 0.4078, 0.5096
Android (android.graphics.Color)	4292996632 (0xFFE1EE18)
YUV	209.7170, -91.5585, 13.4032
Hunter-Lab	87.8764, -28.2706, 53.0710

Details

The XYZ color **61.7907, 77.2226, 12.5129** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **16.5244, 7.2212, 81.4167**, and the grayscale version is **61.6295, 64.8391, 70.6097**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **32.2450, 41.4552, 6.3022** is the 20% darker color. If you saturate the color by 10%, you get **61.1794, 76.9291, 11.6306**, and if you desaturate by 10%, it is **62.6101, 77.6056, 14.4562**.

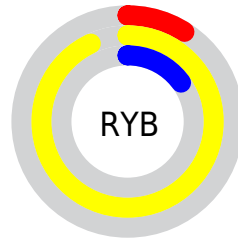
Distribution



Red (88%)

Green (93%)

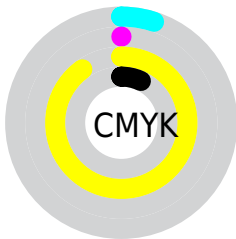
Blue (9%)



Red (9%)

Yellow (93%)

Blue (15%)

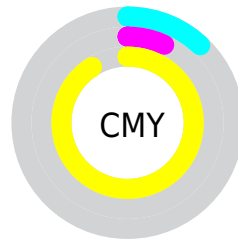


Cyan (5%)

Magenta (0%)

Yellow (90%)

Black (7%)



Cyan (12%)


Magenta (7%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.7907, 77.2226, 12.5129 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 61.7907, 77.2226, 12.5129 by changing the saturation by 10% instead.


 61.7907, 77.2226,
12.5129

 61.7907, 77.2226,
12.5129


420.8970,
485.5227, 218.8689

 45.1186, 57.4356,
6.9672

 106.5146,
129.4537, 31.1041

 31.7525, 41.3551,
3.3635


 135.2971,
162.6665, 44.9867


 21.3272, 28.5966,
1.2831


 168.8471,
201.1234, 62.4855

 13.4772, 18.7759,
0.0479

 207.5300,
245.2087, 84.0188

 7.8372, 11.5085,
0.0000

 251.7110,
295.3070, 110.0052

 4.0419, 6.4099,
0.0000

 301.7556,

 1.7259, 3.0959,

351.8024, 140.8634

0.0000

358.0291,
415.0795, 177.0118

■ 0.4724, 1.1820,
0.0000

■ 0.0000, 0.0469,
0.0000

■ 61.7907, 77.2226,
12.5129

■ 61.7907, 77.2226,
12.5129

■ 61.1794, 76.9291,
11.6306

■ 62.6101, 77.6056,
14.4562

■ 61.1742, 76.9265,
11.6241

■ 63.6945, 78.0921,
17.7823

■ 65.0825, 78.7005,
22.6874

■ 66.8054, 79.4433,
29.3355

68.8902, 80.3314,
37.8698

71.3615, 81.3744,
48.4188

74.2415, 82.5814,
61.0997

77.5507, 83.9606,
76.0209

81.3084, 85.5195,
93.2832

Harmonies

Analogous

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



83.9324, 77.2226, 12.0423



61.7907, 77.2226, 12.5129



46.3102, 77.2226, 24.4616

Triad

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



61.7907, 77.2226, 12.5129



47.5116, 77.2226, 209.5380



123.9115, 77.2226, 116.3353

Complementary

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



61.7907, 77.2226, 12.5129



16.5244, 7.2212, 81.4167

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.



109.4038, 77.2226, 201.1295



61.7907, 77.2226, 12.5129



63.7837, 77.2226, 270.8128

Square

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



61.7907, 77.2226, 12.5129



39.2921, 77.2226, 124.3791



86.3743, 77.2226, 267.1279



123.0731, 77.2226, 53.5907

Rectangle

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



61.7907, 77.2226, 12.5129



40.4865, 77.2226, 43.8036



86.3743, 77.2226, 267.1279



120.5590, 77.2226, 143.6151

Sweetspot

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



61.7925, 77.2262, 12.5145



84.3559, 95.5464, 60.5343



36.0198, 19.4298, 2.7170



17.8225, 20.3529, 11.9419



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.



61.7925, 77.2262, 12.5145



71.5255, 89.9578, 13.5938



38.5307, 65.2343, 11.4259



17.0225, 18.4073, 16.8055



34.1675, 42.9355, 6.4866



2.8710, 3.5866, 0.5410

Inverse Universe

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



16.5244, 7.2212, 81.4167



18.2553, 7.3258, 95.0596



26.8665, 12.5528, 81.9007



14.9862, 15.2746, 19.8800



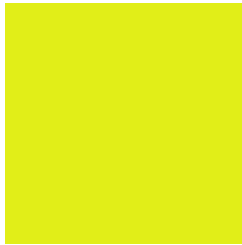
8.7500, 3.5162, 45.3454



0.7589, 0.3085, 3.7738

Previews

White Background



This preview shows how the XYZ color 61.7907, 77.2226, 12.5129 looks on a white background.

Color Contrast Check

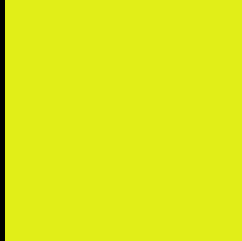
Large Text (above 18pt) WCAG AA × Fail

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 61.7907, 77.2226, 12.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

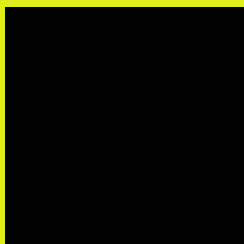
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.7907, 77.2226, 12.5129

Background



This preview shows how black text looks on a background with the XYZ color 61.7907, 77.2226, 12.5129.



This preview shows how white text looks on a background with the XYZ color 61.7907, 77.2226,

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

61.7907, 77.2226, 12.5129

Protanopia

69.7728, 77.0626, 15.3348

Deuteranopia

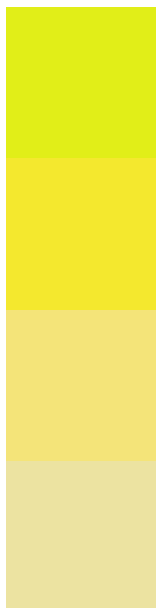
75.2971, 76.6769, 52.4265



Tritanopia

78.0544, 76.8221, 92.3756

Trichromacy



Original Color

61.7907, 77.2226, 12.5129

Protanomaly

66.6580, 77.1436, 13.9617

Deuteranomaly

68.5028, 76.1004, 29.1675

Tritanomaly

68.4942, 75.3442, 44.6511

Monochromacy



Original Color

61.7907, 77.2226, 12.5129

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

58.5000, 67.5865, 35.5534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7907, 77.2226, 12.5129 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, 238, 24)` looks like.

```
.text, #text, p{  
    color:rgb(225, 238, 24)  
}
```

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, 238, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 24) }
```

Border

The CSS property to change the border of an element to XYZ 61.7907, 77.2226, 12.5129 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, 238, 24) }
```


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

```
.border{ border-color:rgb(225, 238, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 238, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 238, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 238, 24);  
box-shadow:4px 4px 4px 4px rgb(225, 238,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7907, 77.2226, 12.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 238, 24) }
```

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

```
.background{ background-color: rgb(225,  
238, 24) }
```

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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