

Converting Colors

XYZ(62.3216, 79.3920, 13.8959)

Have a look what the booklet for
XYZ(62.3216, 79.3920, 13.8959)
contains.

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Color

**XYZ(62.2262, 79.1738,
13.8361)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF226
RGB	222, 242, 38
RGB Percent	87%, 95%, 15%
CMY	0.1294, 0.0510, 0.8509
CMYK	0.08, 0.00, 0.84, 0.05
HSL	66°, 89%, 55%
HSV	66°, 84%, 95%
XYZ	62.2262, 79.1738, 13.8361
YIQ	212.7640, 53.5640, -67.6840

Conversions

Conversions Part 2

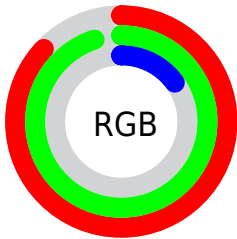
Format	Color
R _Y B	38, 242, 58
Decimal	14610982
CIE Lab	91.31, -28.40, 84.47
CIE LCh	91, 89.118, 108.581
Yxy	79.1738, 0.4008, 0.5100
Android (android.graphics.Color)	4292801062 (0xFFDEF226)
YUV	212.7640, -86.1587, 8.1000
Hunter-Lab	88.9797, -30.8839, 53.0663

Details

The XYZ color **62.2262, 79.1738, 13.8361** 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 **18.4674, 8.6983, 84.7149**, and the grayscale version is **63.6233, 66.9367, 72.8940**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **32.4592, 42.7992, 6.5503** is the 20% darker color. If you saturate the color by 10%, you get **61.2340, 78.6965, 12.3713**, and if you desaturate by 10%, it is **63.4855, 79.7650, 16.6382**.

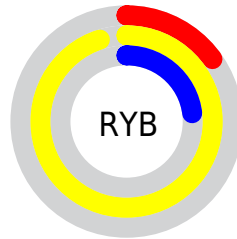
Distribution



Red (87%)

Green (95%)

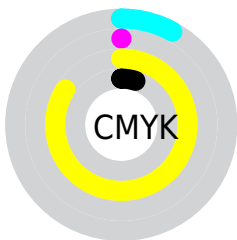
Blue (15%)



Red (15%)

Yellow (95%)

Blue (23%)

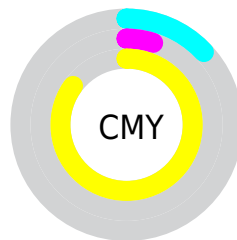


Cyan (8%)

Magenta (0%)

Yellow (84%)

Black (5%)



Cyan (13%)


Magenta (5%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.2262, 79.1738, 13.8361 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 62.2262, 79.1738, 13.8361 by changing the saturation by 10% instead.


 62.2262, 79.1738,
13.8361

 62.2262, 79.1738,
13.8361


422.4601,
492.1441, 227.6017

 45.4718, 59.0387,
7.8693


 107.1405,
132.2035, 33.5109

 32.0321, 42.6443,
3.9249


 136.0311,
165.8669, 48.0559


 21.5417, 29.6061,
1.5842


 169.6977,
204.8086, 66.2975

 13.6352, 19.5398,
0.2795

 208.5059,
249.4128, 88.6541

 7.9474, 12.0610,
0.0000

 252.8208,
300.0641, 115.5442

 4.1128, 6.7852,
0.0000

303.0080,

 1.7662, 3.3281,

357.1469, 147.3865

0.0000

359.4326,
421.0454, 184.5995

■ 0.4972, 1.3054,
0.0000

■ 0.0000, 0.1453,
0.0000

■ 62.2262, 79.1738,
13.8361

■ 62.2262, 79.1738,
13.8361

■ 61.2340, 78.6965,
12.3713

■ 63.4855, 79.7650,
16.6382

■ 60.7486, 78.4552,
11.9416

■ 65.0490, 80.4762,
20.9966

■ 66.9533, 81.3249,
27.0961

■ 69.2285, 82.3231,
35.0944

71.9012, 83.4815,
45.1317

74.9956, 84.8098,
57.3347

78.5337, 86.3169,
71.8203

82.5363, 88.0109,
88.6966

86.8907, 89.8469,
107.3703

Harmonies

Analogous

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



84.1962, 79.1738, 12.6804



62.2262, 79.1738, 13.8361



47.1210, 79.1738, 27.2683

Triad

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



62.2262, 79.1738, 13.8361



49.9894, 79.1738, 217.4206



126.4449, 79.1738, 113.2953

Complementary

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



62.2262, 79.1738, 13.8361



18.4674, 8.6983, 84.7149

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.



112.8084, 79.1738, 197.6638



62.2262, 79.1738, 13.8361



66.9654, 79.1738, 275.0276

Square

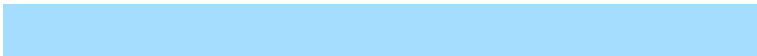
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.2262, 79.1738, 13.8361



41.0951, 79.1738, 132.3032



89.9802, 79.1738, 266.3914



124.4677, 79.1738, 52.2944

Rectangle

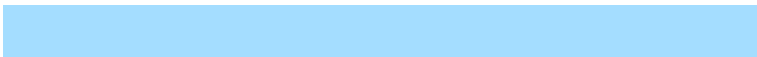
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.2262, 79.1738, 13.8361



41.5893, 79.1738, 48.2491



89.9802, 79.1738, 266.3914



123.4402, 79.1738, 140.1674

Sweetspot

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



62.2280, 79.1774, 13.8377



84.1686, 95.3860, 63.4098



38.3368, 21.7518, 4.0127



17.7437, 20.3001, 12.4894



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.



62.2280, 79.1774, 13.8377



68.3902, 88.3415, 13.4471



40.2738, 67.8596, 12.8103



16.9612, 18.3757, 16.8026



32.6983, 42.1781, 6.4178



2.7641, 3.5315, 0.5360

Inverse Universe

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



18.4674, 8.6983, 84.7149



18.4511, 7.4268, 95.0688



30.6277, 14.9671, 85.2839



15.0411, 15.3029, 19.8826



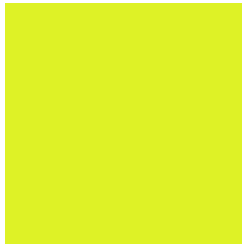
8.8594, 3.5726, 45.3505



0.7851, 0.3220, 3.7750

Previews

White Background



This preview shows how the XYZ color 62.2262, 79.1738, 13.8361 looks on a white background.

Color Contrast Check

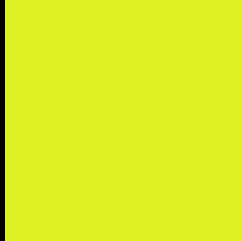
Large Text (above 18pt) WCAG AA × Fail

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 62.2262, 79.1738, 13.8361 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 62.2262, 79.1738, 13.8361

Background



This preview shows how black text looks on a background with the XYZ color 62.2262, 79.1738, 13.8361.



This preview shows how white text looks on a background with the XYZ color 62.2262, 79.1738,

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

62.2262, 79.1738, 13.8361

Protanopia

71.6945, 78.7167, 22.7244

Deuteranopia

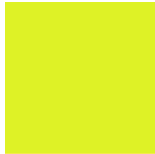
76.9222, 78.6132, 57.0186



Tritanopia

78.6995, 78.6722, 95.8314

Trichromacy



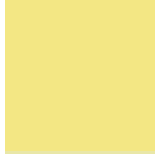
Original Color

62.2262, 79.1738, 13.8361



Protanomaly

67.6895, 78.4221, 18.4068



Deuteranomaly

69.7029, 77.8725, 33.1869



Tritanomaly

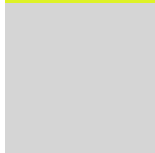
69.2481, 77.3026, 48.3169

Monochromacy



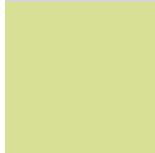
Original Color

62.2262, 79.1738, 13.8361



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.3994, 70.0802, 38.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2262, 79.1738, 13.8361 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(222, 242, 38)` looks like.

```
.text, #text, p{  
    color:rgb(222, 242, 38)  
}
```

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(222, 242, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 242, 38) }
```

Border

The CSS property to change the border of an element to XYZ 62.2262, 79.1738, 13.8361 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(222, 242, 38) }
```


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

```
.border{ border-color:rgb(222, 242, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 242, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 242, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 242, 38);  
box-shadow:4px 4px 4px 4px rgb(222, 242,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2262, 79.1738, 13.8361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 242, 38) }
```

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

```
.background{ background-color: rgb(222,  
242, 38) }
```

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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