

Converting Colors

XYZ(63.8464, 80.4777, 12.9689)

Have a look what the booklet for
XYZ(63.8464, 80.4777, 12.9689)
contains.

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Color

**XYZ(63.8838, 80.4939,
12.9805)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F317
RGB	227, 243, 23
RGB Percent	89%, 95%, 9%
CMY	0.1098, 0.0470, 0.9097
CMYK	0.07, 0.00, 0.91, 0.05
HSL	64°, 90%, 52%
HSV	64°, 91%, 95%
XYZ	63.8838, 80.4939, 12.9805
YIQ	213.1360, 61.0840, -71.8120

Conversions

Conversions Part 2

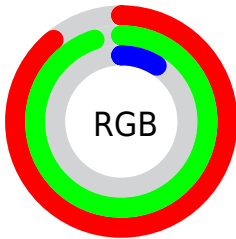
Format	Color
R_{YB}	23, 243, 39
Decimal	14938903
CIE _{Lab}	91.91, -27.13, 87.61
CIE _{LCh}	92, 91.717, 107.207
Yxy	80.4939, 0.4060, 0.5115
Android (android.graphics.Color)	4293128983 (0xFFE3F317)
YUV	213.1360, -93.7370, 12.1587
Hunter-Lab	89.7184, -29.9066, 54.2248

Details

The XYZ color **63.8838, 80.4939, 12.9805** 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 **17.3232, 7.5169, 85.3368**, and the grayscale version is **63.9196, 67.2484, 73.2335**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **33.7067, 43.7561, 6.6693** is the 20% darker color. If you saturate the color by 10%, you get **63.2050, 80.1646, 12.1421**, and if you desaturate by 10%, it is **64.8110, 80.9325, 14.9291**.

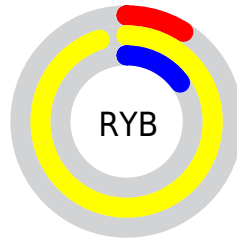
Distribution



Red (89%)

Green (95%)

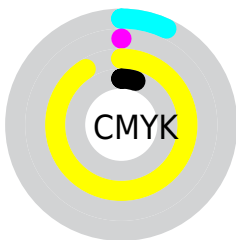
Blue (9%)



Red (9%)

Yellow (95%)

Blue (15%)

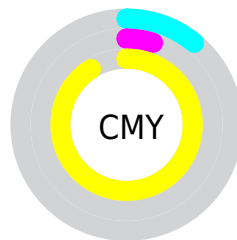


Cyan (7%)

Magenta (0%)

Yellow (91%)

Black (5%)



Cyan (11%)


Magenta (5%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8838, 80.4939, 12.9805 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 63.8838, 80.4939, 12.9805 by changing the saturation by 10% instead.


 63.8838, 80.4939,
12.9805

 63.8838, 80.4939,
12.9805


428.3788,
496.5958, 221.9961

 46.8179, 60.1249,
7.2845


 109.5182,
134.0599, 31.9594


 33.0991, 43.5193,
3.5596


 138.8175,
168.0257, 46.0795


 22.3619, 30.2928,
1.3870


 172.9252,
207.2925, 63.8446

 14.2412, 20.0609,
0.1315

 212.2068,
252.2447, 85.6735

 8.3714, 12.4393,
0.0000

 257.0276,
303.2667, 111.9845

 4.3873, 7.0436,
0.0000

 307.7530,

 1.9235, 3.4894,

360.7430, 143.1962

0.0000

364.7482,
425.0579, 179.7272

■ 0.5904, 1.3923,
0.0000

■ 0.0000, 0.2110,
0.0000

■ 63.8838, 80.4939,
12.9805

■ 63.8838, 80.4939,
12.9805


■ 63.2050, 80.1646,
12.1421


■ 64.8110, 80.9325,
14.9291


■ 66.0152, 81.4796,
18.3142


■ 67.5376, 82.1547,
23.3455


■ 69.4115, 82.9710,
30.1970

 71.6657, 83.9401,
39.0208

 74.3260, 85.0723,
49.9529

 77.4160, 86.3771,
63.1174

 80.9574, 87.8631,
78.6286

 84.9705, 89.5385,
96.5932

Harmonies

Analogous

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



86.9728, 80.4939, 12.2705



63.8838, 80.4939, 12.9805



47.8687, 80.4939, 25.7850

Triad

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



63.8838, 80.4939, 12.9805



49.6947, 80.4939, 221.3211



129.6750, 80.4939, 119.5930

Complementary

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



63.8838, 80.4939, 12.9805



17.3232, 7.5169, 85.3368

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.



114.7572, 80.4939, 208.4863



63.8838, 80.4939, 12.9805



66.9164, 80.4939, 284.5539

Square

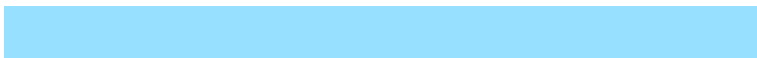
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.8838, 80.4939, 12.9805



40.9053, 80.4939, 131.8536



90.6924, 80.4939, 278.9258



128.3966, 80.4939, 54.6191

Rectangle

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



63.8838, 80.4939, 12.9805



41.9072, 80.4939, 46.4084



90.6924, 80.4939, 278.9258



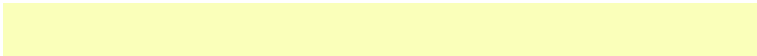
126.2779, 80.4939, 148.0605

Sweetspot

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



63.8856, 80.4976, 12.9822



84.0597, 95.3937, 60.5204



37.8023, 20.4840, 2.7731



17.7513, 20.3162, 11.9385



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.



63.8856, 80.4976, 12.9822



70.5001, 89.4292, 13.5458



39.7258, 68.0428, 11.8515



17.7887, 19.2486, 17.5754



34.7369, 44.0203, 6.6659



3.0880, 3.8870, 0.5875

Inverse Universe

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



17.3232, 7.5169, 85.3368



18.3100, 7.3540, 95.0622



28.6402, 13.3511, 85.8664



15.6928, 15.9843, 20.8007



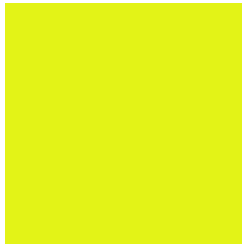
9.0530, 3.6413, 46.7637



0.8338, 0.3397, 4.1119

Previews

White Background



This preview shows how the XYZ color 63.8838, 80.4939, 12.9805 looks on a white background.

Color Contrast Check

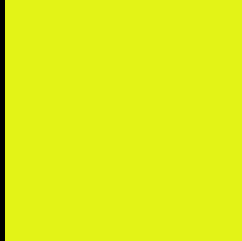
Large Text (above 18pt) WCAG AA × Fail

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 63.8838, 80.4939, 12.9805 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 63.8838, 80.4939, 12.9805

Background



This preview shows how black text looks on a background with the XYZ color 63.8838, 80.4939, 12.9805.

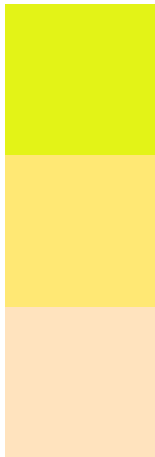


This preview shows how white text looks on a background with the XYZ color 63.8838, 80.4939,

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

63.8838, 80.4939, 12.9805

Protanopia

73.2490, 80.2342, 28.1491

Deuteranopia

78.0033, 79.9159, 60.0293



Tritanopia

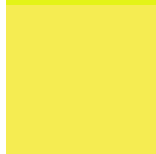
80.8337, 80.1575, 96.7995

Trichromacy



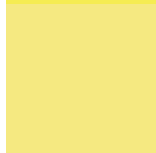
Original Color

63.8838, 80.4939, 12.9805



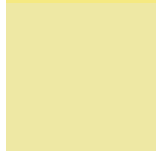
Protanomaly

69.1746, 80.0126, 19.7807



Deuteranomaly

70.7575, 79.2753, 32.3412



Tritanomaly

70.8173, 78.5707, 46.5551

Monochromacy



Original Color

63.8838, 80.4939, 12.9805



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.6031, 70.2304, 36.7472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8838, 80.4939, 12.9805 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(227, 243, 23)` looks like.

```
.text, #text, p{  
    color:rgb(227, 243, 23)  
}
```

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(227, 243, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 243, 23) }
```

Border

The CSS property to change the border of an element to XYZ 63.8838, 80.4939, 12.9805 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(227, 243, 23) }
```


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

```
.border{ border-color:rgb(227, 243, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 243, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 243, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 243, 23);  
box-shadow:4px 4px 4px 4px rgb(227, 243,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8838, 80.4939, 12.9805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 243, 23) }
```

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

```
.background{ background-color: rgb(227,  
243, 23) }
```

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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