

Converting Colors

XYZ(64.9288, 81.5854, 12.9590)

Have a look what the booklet for
XYZ(64.9288, 81.5854, 12.9590)
contains.

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Color

**XYZ(64.7813, 81.4064,
12.9148)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F413
RGB	229, 244, 19
RGB Percent	90%, 96%, 7%
CMY	0.1020, 0.0431, 0.9254
CMYK	0.06, 0.00, 0.92, 0.04
HSL	64°, 91%, 52%
HSV	64°, 92%, 96%
XYZ	64.7813, 81.4064, 12.9148
YIQ	213.8650, 63.2850, -73.1550

Conversions

Conversions Part 2

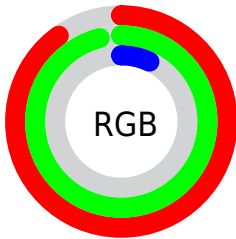
Format	Color
R _Y B	19, 244, 34
Decimal	15070227
CIE Lab	92.31, -26.84, 88.48
CIE LCh	92, 92.461, 106.876
Yxy	81.4064, 0.4072, 0.5117
Android (android.graphics.Color)	4293260307 (0xFFE5F413)
YUV	213.8650, -96.0684, 13.2734
Hunter-Lab	90.2255, -29.7328, 54.6711

Details

The XYZ color **64.7813, 81.4064, 12.9148** 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 **17.2241, 7.3392, 86.1018**, and the grayscale version is **64.4256, 67.7807, 73.8132**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **34.3454, 44.4015, 6.7601** is the 20% darker color. If you saturate the color by 10%, you get **64.2619, 81.1551, 12.2775**, and if you desaturate by 10%, it is **65.6311, 81.8096, 14.6583**.

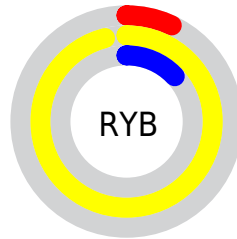
Distribution



Red (90%)

Green (96%)

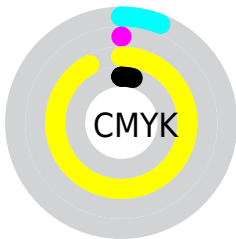
Blue (7%)



Red (7%)

Yellow (96%)

Blue (13%)

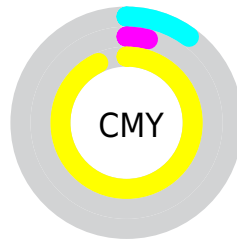


Cyan (6%)

Magenta (0%)

Yellow (92%)

Black (4%)



Cyan (10%)


Magenta (4%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7813, 81.4064, 12.9148 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 64.7813, 81.4064, 12.9148 by changing the saturation by 10% instead.


 64.7813, 81.4064,
12.9148


 64.7813, 81.4064,
12.9148


431.5633,
499.6600, 221.5595


 47.5478, 60.8764,
7.2399


 110.8028,
135.3413, 31.8396


 33.6787, 44.1254,
3.5318


 140.3216,
169.5149, 45.9265


 22.8086, 30.7691,
1.3722

 174.6661,
209.0051, 63.6545

 14.5721, 20.4231,
0.1199

 214.2018,
254.1964, 85.4421

 8.6040, 12.7030,
0.0000

 259.2941,
305.4732, 111.7079

 4.5388, 7.2243,
0.0000

 310.3081,

 2.0113, 3.6028,

363.2197, 142.8703

0.0000

367.6094,
427.8205, 179.3480

■ 0.6403, 1.4539,
0.0000

■ 0.0000, 0.2560,
0.0000

■ 64.7813, 81.4064,
12.9148

■ 64.7813, 81.4064,
12.9148


■ 64.2619, 81.1551,
12.2775


■ 65.6311, 81.8096,
14.6583

■ 66.7520, 82.3188,
17.8119


■ 68.1872, 82.9543,
22.5951


■ 69.9710, 83.7298,
29.1884

 72.1333, 84.6573,
37.7487

 74.7004, 85.7473,
48.4157

 77.6967, 87.0095,
61.3165

 81.1444, 88.4528,
76.5683

 85.0641, 90.0855,
94.2799

Harmonies

Analogous

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



88.2888, 81.4064, 12.3068



64.7813, 81.4064, 12.9148



48.4375, 81.4064, 25.6630

Triad

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



64.7813, 81.4064, 12.9148



50.0118, 81.4064, 223.6409



131.3350, 81.4064, 122.0180

Complementary

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



64.7813, 81.4064, 12.9148



17.2241, 7.3392, 86.1018

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.



116.0115, 81.4064, 212.5323



64.7813, 81.4064, 12.9148



67.3987, 81.4064, 288.6192

Square

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



64.7813, 81.4064, 12.9148



41.1934, 81.4064, 132.6155



91.5020, 81.4064, 283.7451



130.2295, 81.4064, 55.6473

Rectangle

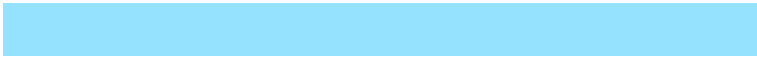
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.7813, 81.4064, 12.9148



42.3294, 81.4064, 46.3351



91.5020, 81.4064, 283.7451



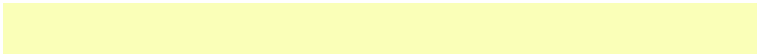
127.8198, 81.4064, 151.0474

Sweetspot

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



64.7831, 81.4102, 12.9165



83.8793, 95.3318, 59.1078



38.0009, 20.4267, 2.5571



17.6606, 20.2812, 11.4022



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.



64.7831, 81.4102, 12.9165



71.0167, 89.6955, 13.5700



39.7417, 68.5008, 11.7446



17.7991, 19.2540, 17.5758



34.9866, 44.1491, 6.6776



3.1073, 3.8969, 0.5884

Inverse Universe

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



17.2241, 7.3392, 86.1018



18.2813, 7.3393, 95.0608



28.5091, 13.1568, 86.6300



15.6835, 15.9795, 20.8003



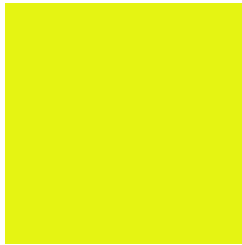
9.0364, 3.6328, 46.7629



0.8293, 0.3374, 4.1116

Previews

White Background



This preview shows how the XYZ color 64.7813, 81.4064, 12.9148 looks on a white background.

Color Contrast Check

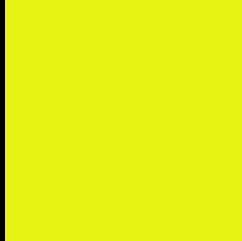
Large Text (above 18pt) WCAG AA × Fail

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 64.7813, 81.4064, 12.9148 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 64.7813, 81.4064, 12.9148

Background



This preview shows how black text looks on a background with the XYZ color 64.7813, 81.4064, 12.9148.



This preview shows how white text looks on a background with the XYZ color 64.7813, 81.4064,

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

64.7813, 81.4064, 12.9148

Protanopia

74.2097, 81.0701, 31.8155

Deuteranopia

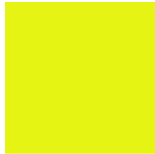
78.9969, 81.1937, 62.5473



Tritanopia

81.9566, 81.1236, 97.7250

Trichromacy



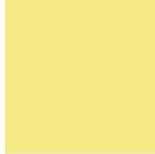
Original Color

64.7813, 81.4064, 12.9148



Protanomaly

70.0517, 80.8658, 21.1491



Deuteranomaly

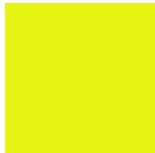
71.4581, 80.0502, 32.8041



Tritanomaly

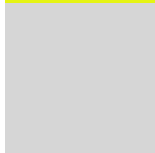
71.6850, 79.4474, 46.2070

Monochromacy



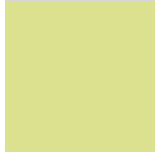
Original Color

64.7813, 81.4064, 12.9148



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.0966, 70.8937, 36.4503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7813, 81.4064, 12.9148 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(229, 244, 19)` looks like.

```
.text, #text, p{  
    color:rgb(229, 244, 19)  
}
```

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(229, 244, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 244, 19) }
```

Border

The CSS property to change the border of an element to XYZ 64.7813, 81.4064, 12.9148 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(229, 244, 19) }
```


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

```
.border{ border-color:rgb(229, 244, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 244, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 244, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 244, 19);  
box-shadow:4px 4px 4px 4px rgb(229, 244,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7813, 81.4064, 12.9148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 244, 19) }
```

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

```
.background{ background-color: rgb(229,  
244, 19) }
```

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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