

Converting Colors

XYZ(64.2820, 81.5033, 17.1947)

Have a look what the booklet for
XYZ(64.2820, 81.5033, 17.1947)
contains.

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Color

**XYZ(64.3183, 81.5223,
17.1959)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F540
RGB	224, 245, 64
RGB Percent	88%, 96%, 25%
CMY	0.1216, 0.0392, 0.7490
CMYK	0.09, 0.00, 0.74, 0.04
HSL	67°, 90%, 61%
HSV	67°, 74%, 96%
XYZ	64.3183, 81.5223, 17.1959
YIQ	218.0870, 45.5850, -60.7430

Conversions

Conversions Part 2

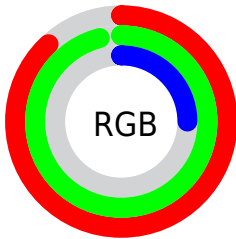
Format	Color
RYB	64, 245, 85
Decimal	14742848
CIELab	92.36, -28.11, 78.73
CIELCh	92, 83.597, 109.652
Yxy	81.5223, 0.3945, 0.5000
Android (android.graphics.Color)	4292932928 (0xFFE0F540)
YUV	218.0870, -75.9649, 5.1857
Hunter-Lab	90.2897, -30.8516, 51.9109

Details

The XYZ color **64.3183, 81.5223, 17.1959** 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 **22.0637, 12.1925, 87.5817**, and the grayscale version is **67.1885, 70.6876, 76.9788**.

A 20% lighter version of the original color is **80.6381, 94.2352, 33.0079**, and **33.7146, 44.3945, 6.7921** is the 20% darker color. If you saturate the color by 10%, you get **62.8952, 80.8551, 14.2554**, and if you desaturate by 10%, it is **66.0659, 82.3270, 21.7518**.

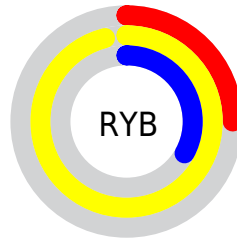
Distribution



Red (88%)

Green (96%)

Blue (25%)



Red (25%)

Yellow (96%)

Blue (33%)

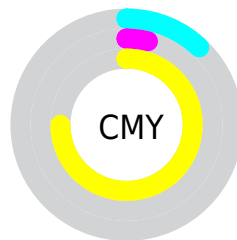


Cyan (9%)

Magenta (0%)

Yellow (74%)

Black (4%)



Cyan (12%)

Magenta (4%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3183, 81.5223, 17.1959 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 64.3183, 81.5223, 17.1959 by changing the saturation by 10% instead.

64.3183, 81.5223,
17.1959

64.3183, 81.5223,
17.1959

429.9222,
500.0484, 248.3808

47.1712, 60.9719,
10.2108

110.1404,
135.5039, 39.4575

33.3795, 44.2025,
5.4315

139.5461,
169.7038, 55.5712

22.5780, 30.8297,
2.4395

173.7686,
209.2224, 75.5648

14.4012, 20.4692,
0.8078

213.1734,
254.4440, 99.8569

8.4838, 12.7366,
0.0000

258.1258,
305.7530, 128.8660

4.4604, 7.2474,
0.0000

308.9912,

1.9658, 3.6173,

363.5338, 163.0106

0.0000

366.1349,
428.1708, 202.7094

■ 0.6146, 1.4619,
0.0000

■ 0.0000, 0.2617,
0.0000

■ 64.3183, 81.5223,
17.1959

■ 64.3183, 81.5223,
17.1959

■ 62.8952, 80.8551,
14.2554

■ 66.0659, 82.3270,
21.7518


■ 61.7475, 80.2967,
12.6965


■ 68.1680, 83.2722,
28.1055


■ 61.1421, 79.9946,
12.2180


■ 70.6573, 84.3740,
36.4205

■ 73.5612, 85.6434,
46.8406

 76.9044, 87.0903,
59.4960

 80.7099, 88.7237,
74.5066

 84.9987, 90.5523,
91.9836

 88.9732, 92.2569,
107.7257

 89.9824, 92.7772,
107.7730

Harmonies

Analogous

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



85.2005, 81.5223, 15.5750



64.3183, 81.5223, 17.1959



49.9057, 81.5223, 31.8119

Triad

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



64.3183, 81.5223, 17.1959



53.5498, 81.5223, 214.0557



126.0399, 81.5223, 111.9327

Complementary

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



64.3183, 81.5223, 17.1959



22.0637, 12.1925, 87.5817

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.



113.7131, 81.5223, 190.4089



64.3183, 81.5223, 17.1959



70.2490, 81.5223, 265.1364

Square

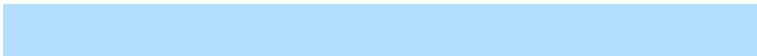
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3183, 81.5223, 17.1959



44.5371, 81.5223, 135.1665



92.3350, 81.5223, 254.8965



123.6395, 81.5223, 54.4206

Rectangle

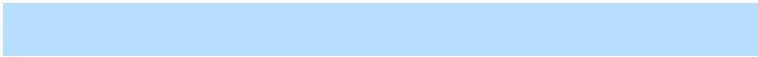
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3183, 81.5223, 17.1959



44.6568, 81.5223, 53.4448



92.3350, 81.5223, 254.8965



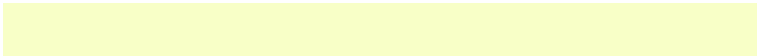
123.4036, 81.5223, 136.9750

Sweetspot

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



64.3202, 81.5260, 17.1976



84.9422, 95.6848, 67.9641



41.6093, 25.8346, 7.6450



17.9523, 20.3819, 13.6601



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.



64.3202, 81.5260, 17.1976



68.1749, 88.2062, 14.5341



43.7994, 70.9472, 16.2372



17.7142, 19.2102, 17.5719



33.0132, 43.1317, 6.5853



2.9541, 3.8180, 0.5812

Inverse Universe

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



22.0637, 12.1925, 87.5817



20.0088, 8.8480, 95.2610



35.4629, 19.1000, 88.2088



15.7597, 16.0188, 20.8039



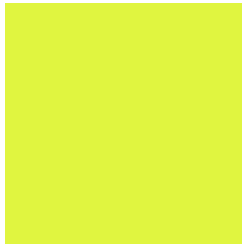
9.2011, 3.7177, 46.7707



0.8656, 0.3561, 4.1133

Previews

White Background



This preview shows how the XYZ color 64.3183, 81.5223, 17.1959 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 64.3183, 81.5223, 17.1959 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 64.3183, 81.5223, 17.1959

Background



This preview shows how black text looks on a background with the XYZ color 64.3183, 81.5223, 17.1959.

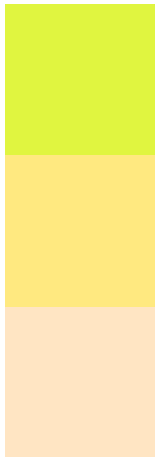


This preview shows how white text looks on a background with the XYZ color 64.3183, 81.5223,

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

64.3183, 81.5223, 17.1959

Protanopia

74.2752, 81.0963, 32.1605

Deuteranopia

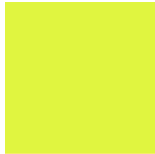
79.1096, 81.2388, 63.1409



Tritanopia

81.0834, 81.4548, 99.4445

Trichromacy



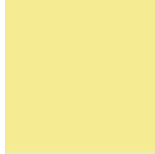
Original Color

64.3183, 81.5223, 17.1959



Protanomaly

70.1422, 80.8214, 25.2678



Deuteranomaly

72.2830, 80.7563, 39.3816



Tritanomaly

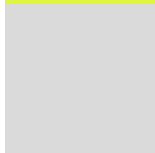
72.2075, 80.3741, 54.8880

Monochromacy



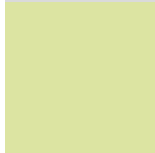
Original Color

64.3183, 81.5223, 17.1959



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.7802, 73.3111, 44.9713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3183, 81.5223, 17.1959 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(224, 245, 64)` looks like.

```
.text, #text, p{  
    color:rgb(224, 245, 64)  
}
```

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(224, 245, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 245, 64) }
```

Border

The CSS property to change the border of an element to XYZ 64.3183, 81.5223, 17.1959 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(224, 245, 64) }
```


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

```
.border{ border-color:rgb(224, 245, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 245, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 245, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 245, 64);  
box-shadow:4px 4px 4px 4px rgb(224, 245,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3183, 81.5223, 17.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 245, 64) }
```

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

```
.background{ background-color: rgb(224,  
245, 64) }
```

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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