

Converting Colors

XYZ(65.8581, 72.8856, 27.1673)

Have a look what the booklet for
XYZ(65.8581, 72.8856, 27.1673)
contains.

XYZ(65.8157, 72.7371, 27.0938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.8157, 72.7371,
27.0938)**

Conversions

Conversions Part 1

Format	Color
Hex	F1DF74
RGB	241, 223, 116
RGB Percent	95%, 87%, 45%
CMY	0.0549, 0.1255, 0.5451
CMYK	0.00, 0.07, 0.52, 0.05
HSL	51°, 82%, 70%
HSV	51°, 52%, 95%
XYZ	65.8157, 72.7371, 27.0938
YIQ	216.1840, 45.0750, -29.4610

Conversions

Conversions Part 2

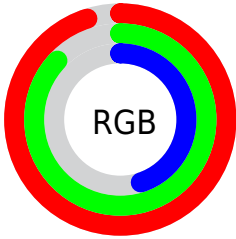
Format	Color
RYB	137, 241, 116
Decimal	15851380
CIELab	88.32, -7.31, 54.07
CIELCh	88, 54.562, 97.703
Yxy	72.7371, 0.3973, 0.4391
Android (android.graphics.Color)	4294041460 (0xFFFF1DF74)
YUV	216.1840, -49.3907, 21.7636
Hunter-Lab	85.2860, -11.5012, 40.8649

Details

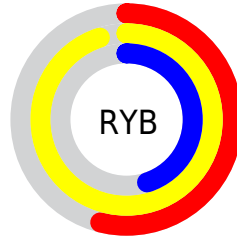
The XYZ color **65.8157, 72.7371, 27.0938** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.6046, 27.1132, 86.7864**, and the grayscale version is **65.7020, 69.1236, 75.2756**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **34.4283, 38.4314, 10.3061** is the 20% darker color. If you saturate the color by 10%, you get **63.6749, 70.4155, 20.3385**, and if you desaturate by 10%, it is **68.3426, 75.2489, 35.7732**.

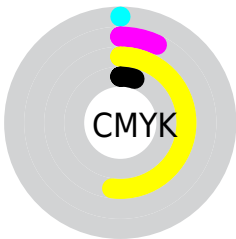
Distribution



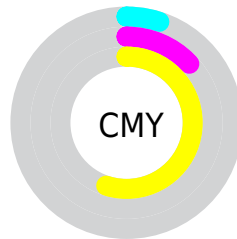
- Red (95%)
- Green (87%)
- Blue (45%)



- Red (54%)
- Yellow (95%)
- Blue (45%)



- Cyan (0%)
- Magenta (7%)
- Yellow (52%)
- Black (5%)



- Cyan (5%)
- Magenta (13%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8157, 72.7371, 27.0938 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 65.8157, 72.7371, 27.0938 by changing the saturation by 10% instead.

65.8157, 72.7371,
27.0938

65.8157, 72.7371,
27.0938

435.2165,
470.1031, 301.8855

48.3900, 53.7610,
17.4106

112.2810,
123.1039, 56.0399

34.3483, 38.4106,
10.3626

142.0512,
155.2634, 76.1399

23.3255, 26.3015,
5.5313

176.6670,
192.5862, 100.5493

14.9560, 17.0494,
2.4981

216.4937,
235.4567, 129.6866

8.8747, 10.2697,
0.8392

261.8966,
284.2592, 163.9703

4.7160, 5.5781,
0.0000

313.2412,

2.1146, 2.5903,

339.3782, 203.8190

0.0000

370.8927,
401.1981, 249.6512

■ 0.6971, 0.9218,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8157, 72.7371,
27.0938

■ 65.8157, 72.7371,
27.0938

■ 63.6749, 70.4155,
20.3385

■ 68.3426, 75.2489,
35.7732

■ 61.8862, 68.2623,
15.3516


■ 71.2761, 77.9513,
46.5076


■ 60.4180, 66.2673,
11.9602


■ 74.6415, 80.8571,
59.4213


■ 59.2305, 64.4144,
9.9549

■ 78.4604, 83.9752,
74.6277


 58.4210, 62.9917,
9.0795

 82.7529, 87.3139,
92.2322

 86.6225, 90.5147,
107.5133

 87.6752, 92.6202,
107.8642

 88.7477, 94.7651,
108.2217

 89.8400, 96.9498,
108.5858

Harmonies

Analogous

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



79.1290, 72.7371, 29.4784



65.8157, 72.7371, 27.0938



54.8573, 72.7371, 34.7652

Triad

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



65.8157, 72.7371, 27.0938



51.0735, 72.7371, 131.9600



95.1310, 72.7371, 109.8118

Complementary

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



65.8157, 72.7371, 27.0938



31.6046, 27.1132, 86.7864

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.



85.6958, 72.7371, 151.0041



65.8157, 72.7371, 27.0938



60.0190, 72.7371, 166.3513

Square

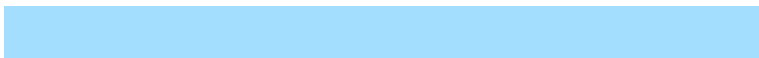
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8157, 72.7371, 27.0938



47.0738, 72.7371, 89.2574



72.5629, 72.7371, 174.2447



97.1926, 72.7371, 69.9250

Rectangle

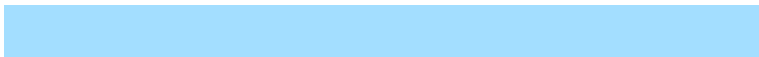
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.8157, 72.7371, 27.0938



49.9689, 72.7371, 46.5930



72.5629, 72.7371, 174.2447



92.6638, 72.7371, 124.2871

Sweetspot

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



65.8174, 72.7405, 27.0953



87.3181, 93.9551, 77.2853



46.8770, 32.9345, 26.7167



18.4983, 19.9538, 15.7810



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.



65.8174, 72.7405, 27.0953



72.3177, 79.9705, 22.9091



57.6994, 76.0756, 28.1669



16.9177, 18.0485, 16.7418



31.7574, 34.3128, 4.9492



2.6944, 2.9595, 0.4292

Inverse Universe

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



31.6046, 27.1132, 86.7864



29.6446, 23.1068, 97.5054



36.5705, 26.2904, 86.3659



15.0808, 15.5958, 19.9370



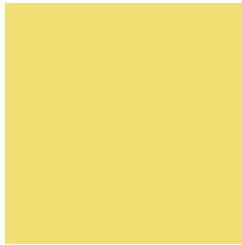
8.9888, 4.2019, 45.4652



0.8039, 0.4618, 3.8010

Previews

White Background



This preview shows how the XYZ color 65.8157, 72.7371, 27.0938 looks on a white background.

Color Contrast Check

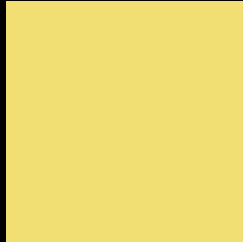
Large Text (above 18pt) WCAG AA × Fail

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 65.8157, 72.7371, 27.0938 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 65.8157, 72.7371, 27.0938

Background



This preview shows how black text looks on a background with the XYZ color 65.8157, 72.7371, 27.0938.



This preview shows how white text looks on a background with the XYZ color 65.8157, 72.7371,

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

65.8157, 72.7371, 27.0938

Protanopia

66.5819, 72.7366, 27.0533

Deuteranopia

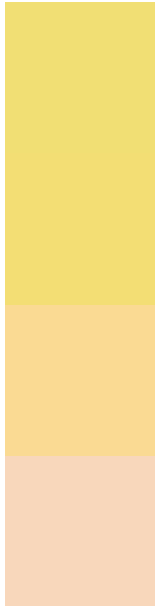
72.3320, 72.5775, 45.7939



Tritanopia

77.3043, 72.8300, 82.6563

Trichromacy



Original Color

65.8157, 72.7371, 27.0938

Protanomaly

66.2358, 72.5582, 27.0371

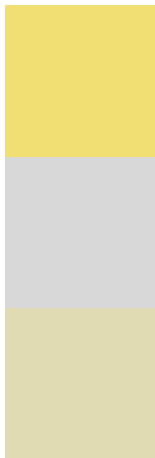
Deuteranomaly

69.7622, 72.5734, 37.9350

Tritanomaly

71.9815, 72.1452, 57.1453

Monochromacy



Original Color

65.8157, 72.7371, 27.0938

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.6211, 69.9659, 53.2789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8157, 72.7371, 27.0938 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(241, 223, 116)` looks like.

```
.text, #text, p{  
    color:rgb(241, 223, 116)  
}
```

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(241, 223, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 223, 116) }
```

Border

The CSS property to change the border of an element to XYZ 65.8157, 72.7371, 27.0938 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(241, 223, 116) }
```


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

```
.border{ border-color:rgb(241, 223, 116) }
```

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

Here you see how a box with a 4 pixel rgb(241, 223, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 223, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 223, 116);  
box-shadow:4px 4px 4px 4px rgb(241, 223,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8157, 72.7371, 27.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 223, 116) }
```

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

```
.background{ background-color: rgb(241,  
223, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor