

Converting Colors

XYZ(65.4655, 69.8638, 37.7331)

Have a look what the booklet for
XYZ(65.4655, 69.8638, 37.7331)
contains.

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Color

**XYZ(65.6759, 70.0830,
37.6696)**

Conversions

Conversions Part 1

Format	Color
Hex	EFD993
RGB	239, 217, 147
RGB Percent	94%, 85%, 58%
CMY	0.0627, 0.1490, 0.4235
CMYK	0.00, 0.09, 0.38, 0.06
HSL	46°, 74%, 76%
HSV	46°, 38%, 94%
XYZ	65.6759, 70.0830, 37.6696
YIQ	215.5980, 35.5820, -17.1060

Conversions

Conversions Part 2

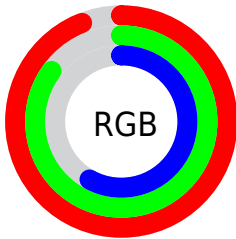
Format	Color
R _Y B	176, 239, 147
Decimal	15718803
CIE Lab	87.04, -2.09, 37.25
CIE LCh	87, 37.307, 93.211
Yxy	70.0830, 0.3787, 0.4041
Android (android.graphics.Color)	4293908883 (0xFFEFD993)
YUV	215.5980, -33.8188, 20.5236
Hunter-Lab	83.7156, -6.4669, 31.9221

Details

The XYZ color **65.6759, 70.0830, 37.6696** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.8002, 40.8096, 87.3352**, and the grayscale version is **65.2040, 68.5997, 74.7050**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **34.2773, 36.6120, 16.0867** is the 20% darker color. If you saturate the color by 10%, you get **62.5451, 66.5173, 28.3151**, and if you desaturate by 10%, it is **69.2508, 73.9130, 49.0959**.

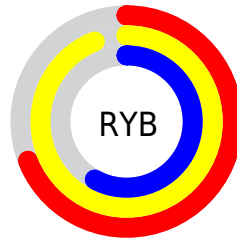
Distribution



Red (94%)

Green (85%)

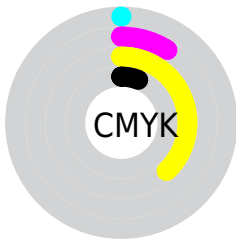
Blue (58%)



Red (69%)

Yellow (94%)

Blue (58%)

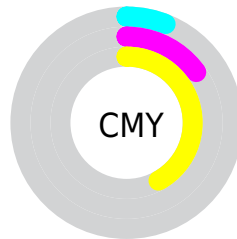


Cyan (0%)

Magenta (9%)

Yellow (38%)

Black (6%)



Cyan (6%)

Magenta (15%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6759, 70.0830, 37.6696 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 65.6759, 70.0830, 37.6696 by changing the saturation by 10% instead.

65.6759, 70.0830,
37.6696

65.6759, 70.0830,
37.6696

434.7238,
460.8414, 351.4561

48.2761, 51.5942,
25.4265

112.0813,
119.3271, 72.7992

34.2577, 36.6817,
16.1732

141.8177,
150.8512, 96.5229

23.2555, 24.9612,
9.4911

176.3969,
187.4892, 124.9104

14.9040, 16.0481,
4.9617

216.1844,
229.6255, 158.3805

8.8379, 9.5582,
2.1665

261.5455,
277.6445, 197.3515

4.6919, 5.1070,
0.6549

312.8455,

2.1005, 2.3102,

331.9305, 242.2421

0.0000

370.4498,
392.8680, 293.4708

■ 0.6895, 0.7791,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6759, 70.0830,
37.6696

■ 65.6759, 70.0830,
37.6696

■ 62.5451, 66.5173,
28.3151

■ 69.2508, 73.9130,
49.0959

■ 59.8284, 63.1954,
20.8998


■ 73.2874, 78.0076,
62.7068


■ 57.5000, 60.1089,
15.2826


■ 77.8084, 82.3791,
78.6122


■ 55.5285, 57.2442,
11.3012


■ 82.8334, 87.0362,
96.9132


 53.8771, 54.5858,
8.7641

 86.4732, 91.2239,
107.6581

 52.4929, 52.1117,
7.3953

 88.2340, 94.7455,
108.2450

 52.2964, 51.7503,
7.2325

 89.4066, 97.0907,
108.6359

Harmonies

Analogous

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



74.4676, 70.0830, 40.9354



65.6759, 70.0830, 37.6696



57.8339, 70.0830, 42.7392

Triad

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



65.6759, 70.0830, 37.6696



53.5312, 70.0830, 105.7855



82.7484, 70.0830, 100.0917

Complementary

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



65.6759, 70.0830, 37.6696



41.8002, 40.8096, 87.3352

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.



76.2357, 70.0830, 124.0121



65.6759, 70.0830, 37.6696



59.3289, 70.0830, 127.7719

Square

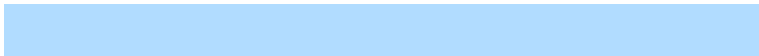
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.6759, 70.0830, 37.6696



51.2180, 70.0830, 79.0332



67.5565, 70.0830, 135.0760



84.8169, 70.0830, 73.6471

Rectangle

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



65.6759, 70.0830, 37.6696



54.0525, 70.0830, 50.9868



67.5565, 70.0830, 135.0760



80.9799, 70.0830, 108.8719

Sweetspot

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



65.6776, 70.0862, 37.6710



88.2194, 93.6045, 84.2236



53.2865, 42.1211, 43.3527



18.7344, 19.8924, 17.5043



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.



65.6776, 70.0862, 37.6710



73.2631, 78.0011, 35.1254



64.4522, 78.4386, 39.3478



16.7840, 17.7812, 16.6972



29.0068, 28.8117, 4.0324



2.4891, 2.5488, 0.3608

Inverse Universe

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



41.8002, 40.8096, 87.3352



42.0712, 39.7767, 100.0680



42.5919, 35.6463, 86.2969



15.2040, 15.8422, 19.9781



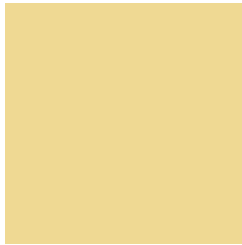
9.5065, 5.2373, 45.6377



0.8655, 0.5850, 3.8215

Previews

White Background



This preview shows how the XYZ color 65.6759, 70.0830, 37.6696 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 65.6759, 70.0830, 37.6696 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 65.6759, 70.0830, 37.6696

Background



This preview shows how black text looks on a background with the XYZ color 65.6759, 70.0830, 37.6696.



This preview shows how white text looks on a background with the XYZ color 65.6759, 70.0830,

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

65.6759, 70.0830, 37.6696

Protanopia

64.9299, 70.0823, 37.7088

Deuteranopia

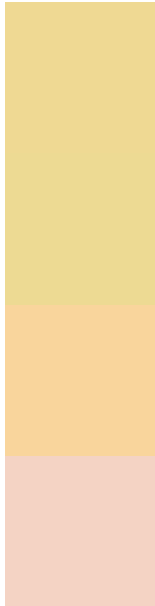
70.7196, 69.9264, 43.4880



Tritanopia

74.1251, 69.7816, 80.0834

Trichromacy



Original Color

65.6759, 70.0830, 37.6696

Protanomaly

65.2629, 70.2539, 37.7244

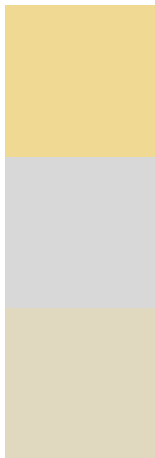
Deuteranomaly

68.8619, 70.1285, 41.3592

Tritanomaly

70.5663, 69.8072, 61.9794

Monochromacy



Original Color

65.6759, 70.0830, 37.6696

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7003, 68.7206, 59.1445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6759, 70.0830, 37.6696 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(239, 217, 147)` looks like.

```
.text, #text, p{  
    color:rgb(239, 217, 147)  
}
```

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(239, 217, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 217, 147) }
```

Border

The CSS property to change the border of an element to XYZ 65.6759, 70.0830, 37.6696 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(239, 217, 147) }
```


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

```
.border{ border-color:rgb(239, 217, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 217, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 217, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 217, 147);  
box-shadow:4px 4px 4px 4px rgb(239, 217,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6759, 70.0830, 37.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 217, 147) }
```

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

```
.background{ background-color: rgb(239,  
217, 147) }
```

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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