

Converting Colors

XYZ(64.7615, 67.6630, 41.6946)

Have a look what the booklet for
XYZ(64.7615, 67.6630, 41.6946)
contains.

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Color

**XYZ(64.5543, 67.5258,
41.5297)**

Conversions

Conversions Part 1

Format	Color
Hex	EDD49D
RGB	237, 212, 157
RGB Percent	93%, 83%, 62%
CMY	0.0706, 0.1686, 0.3843
CMYK	0.00, 0.11, 0.34, 0.07
HSL	41°, 69%, 77%
HSV	41°, 34%, 93%
XYZ	64.5543, 67.5258, 41.5297
YIQ	213.2050, 32.5550, -11.8050

Conversions

Conversions Part 2

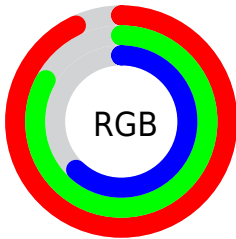
Format	Color
RYB	193, 237, 157
Decimal	15586461
CIELab	85.77, 0.85, 30.42
CIELCh	86, 30.432, 88.403
Yxy	67.5258, 0.3718, 0.3890
Android (android.graphics.Color)	4293776541 (0xFFEDD49D)
YUV	213.2050, -27.7091, 20.8682
Hunter-Lab	82.1741, -3.5787, 27.5575

Details

The XYZ color **64.5543, 67.5258, 41.5297** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.9182, 46.7369, 86.7217**, and the grayscale version is **63.5489, 66.8584, 72.8088**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **33.5991, 35.1769, 18.3836** is the 20% darker color. If you saturate the color by 10%, you get **60.9157, 63.1785, 31.2839**, and if you desaturate by 10%, it is **68.6738, 72.2061, 53.8736**.

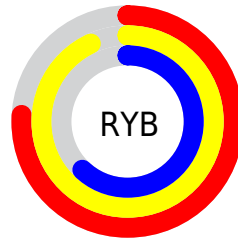
Distribution



Red (93%)

Green (83%)

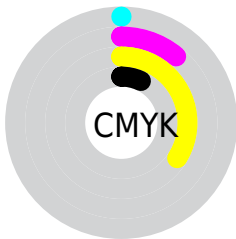
Blue (62%)



Red (76%)

Yellow (93%)

Blue (62%)

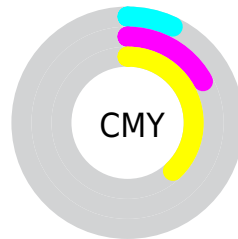


Cyan (0%)

Magenta (11%)

Yellow (34%)

Black (7%)



Cyan (7%)

Magenta (17%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5543, 67.5258, 41.5297 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 64.5543, 67.5258, 41.5297 by changing the saturation by 10% instead.

64.5543, 67.5258,
41.5297

64.5543, 67.5258,
41.5297

430.7592,
451.8141, 368.2716

47.3631, 49.5120,
28.4104

110.4781,
115.6735, 78.7497

33.5320, 35.0258,
18.3935

139.9415,
146.5763, 103.6875

22.6955, 23.6828,
11.0605

174.2263,
182.5441, 133.4019

14.4882, 15.0985,
5.9929

213.6978,
223.9615, 168.3115

8.5450, 8.8885,
2.7720

258.7216,
271.2128, 208.8347

4.5003, 4.6685,
0.9794

309.6628,

1.9889, 2.0541,

324.6824, 255.3901

0.0000

366.8869,
384.7547, 308.3962

■ 0.6277, 0.6386,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5543, 67.5258,
41.5297

■ 64.5543, 67.5258,
41.5297

■ 60.9157, 63.1785,
31.2839

■ 68.6738, 72.2061,
53.8736

■ 57.7289, 59.1436,
23.0117

■ 73.2910, 77.2207,
68.4221

■ 54.9693, 55.4118,
16.5818

■ 78.4283, 82.5826,
85.2795

■ 52.6075, 51.9694,
11.8449

■ 84.1049, 88.3013,
104.5421

■ 50.6097, 48.8010,
8.6286

■ 86.8598, 92.9939,
107.9794

■ 48.9348, 45.8882,
6.7227

■ 88.7350, 96.7445,
108.6045

■ 48.0140, 44.1824,
5.9975

Harmonies

Analogous

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



71.4376, 67.5258, 45.5160



64.5543, 67.5258, 41.5297



58.0347, 67.5258, 44.7459

Triad

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



64.5543, 67.5258, 41.5297



53.1337, 67.5258, 93.2638



76.2445, 67.5258, 95.4449

Complementary

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



64.5543, 67.5258, 41.5297



45.9182, 46.7369, 86.7217

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.



70.7472, 67.5258, 112.5702



64.5543, 67.5258, 41.5297



57.4337, 67.5258, 111.1596

Square

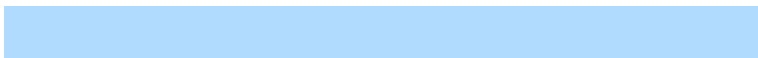
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5543, 67.5258, 41.5297



51.7331, 67.5258, 72.4629



63.8096, 67.5258, 118.7785



78.4814, 67.5258, 74.5956

Rectangle

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



64.5543, 67.5258, 41.5297



54.7011, 67.5258, 50.9385



63.8096, 67.5258, 118.7785



74.6979, 67.5258, 101.9587

Sweetspot

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



64.5560, 67.5289, 41.5311



88.7236, 93.4868, 87.8638



55.4605, 45.5104, 50.2988



18.8111, 19.8213, 18.2221



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.



64.5560, 67.5289, 41.5311



72.9918, 75.8974, 39.8471



66.5967, 78.5851, 43.5576



15.9319, 16.7869, 15.9192



26.3363, 24.3668, 3.3152



2.1532, 2.0838, 0.2887

Inverse Universe

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



45.9182, 46.7369, 86.7217



47.6678, 47.6611, 101.2949



44.2839, 38.9622, 85.3072



14.6152, 15.3168, 19.1084



9.7874, 6.2218, 44.4280



0.8516, 0.6547, 3.5164

Previews

White Background



This preview shows how the XYZ color 64.5543, 67.5258, 41.5297 looks on a white background.

Color Contrast Check

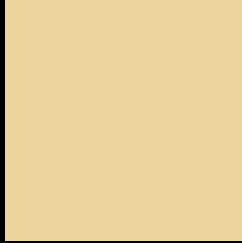
Large Text (above 18pt) WCAG AA × Fail

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 64.5543, 67.5258, 41.5297 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 64.5543, 67.5258, 41.5297

Background



This preview shows how black text looks on a background with the XYZ color 64.5543, 67.5258, 41.5297.



This preview shows how white text looks on a background with the XYZ color 64.5543, 67.5258,

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

64.5543, 67.5258, 41.5297

Protanopia

62.8512, 67.3848, 42.0417

Deuteranopia

69.1159, 67.6821, 41.7689



Tritanopia

71.8194, 67.5861, 76.9703

Trichromacy



Original Color

64.5543, 67.5258, 41.5297

Protanomaly

63.5701, 67.3808, 42.0030

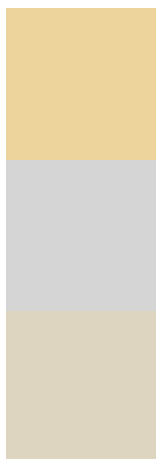
Deuteranomaly

67.4388, 67.5368, 41.8293

Tritanomaly

68.6665, 67.3576, 62.2055

Monochromacy



Original Color

64.5543, 67.5258, 41.5297

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.5441, 66.9684, 60.0291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5543, 67.5258, 41.5297 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(237, 212, 157)` looks like.

```
.text, #text, p{  
    color:rgb(237, 212, 157)  
}
```

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(237, 212, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 212, 157) }
```

Border

The CSS property to change the border of an element to XYZ 64.5543, 67.5258, 41.5297 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(237, 212, 157) }
```


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

```
.border{ border-color:rgb(237, 212, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 212, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 212, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 212, 157);  
box-shadow:4px 4px 4px 4px rgb(237, 212,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5543, 67.5258, 41.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 212, 157) }
```

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

```
.background{ background-color: rgb(237,  
212, 157) }
```

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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