

# Converting Colors

XYZ(63.8578, 65.8507, 32.8442)

Have a look what the booklet for  
XYZ(63.8578, 65.8507, 32.8442)  
contains.

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# **Color**

**XYZ(64.0334, 65.9726,  
33.0260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D089
RGB	243, 208, 137
RGB Percent	95%, 82%, 54%
CMY	0.0471, 0.1843, 0.4627
CMYK	0.00, 0.14, 0.44, 0.05
HSL	40°, 82%, 75%
HSV	40°, 44%, 95%
XYZ	64.0334, 65.9726, 33.0260
YIQ	210.3710, 43.6510, -14.6610

# Conversions

## Conversions Part 2

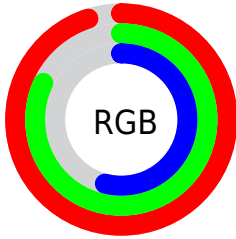
Format	Color
<a href="#">RYB</a>	<a href="#">189, 243, 137</a>
Decimal	<a href="#">15978633</a>
CIELab	<a href="#">84.98, 3.05, 39.73</a>
CIELCh	<a href="#">85, 39.847, 85.607</a>
Yxy	<a href="#">65.9726, 0.3928, 0.4047</a>
Android (android.graphics.Color)	<a href="#">4294168713</a> ( <a href="#">0xFFFF3D089</a> )
YUV	<a href="#">210.3710, -36.1719, 28.6156</a>
Hunter-Lab	<a href="#">81.2235, -1.4188, 32.7488</a>

# Details

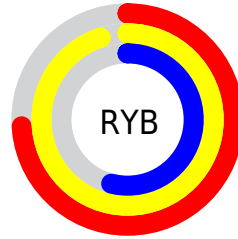
The XYZ color **64.0334, 65.9726, 33.0260** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.2463, 41.2931, 90.5903**, and the grayscale version is **61.7142, 64.9281, 70.7067**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **33.2429, 34.0974, 13.6335** is the 20% darker color. If you saturate the color by 10%, you get **60.5766, 61.5414, 24.2210**, and if you desaturate by 10%, it is **67.9850, 70.7649, 43.9339**.

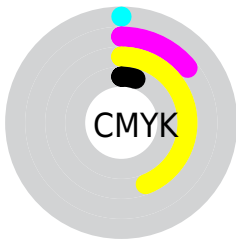
# Distribution



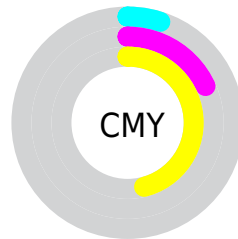
- Red (95%)
- Green (82%)
- Blue (54%)



- Red (74%)
- Yellow (95%)
- Blue (54%)



- Cyan (0%)
- Magenta (14%)
- Yellow (44%)
- Black (5%)




- Cyan (5%)
- Magenta (18%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0334, 65.9726, 33.0260 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 64.0334, 65.9726, 33.0260 by changing the saturation by 10% instead.





 64.0334, 65.9726,  
33.0260

 64.0334, 65.9726,  
33.0260


428.9106,  
446.2789, 330.4025


 46.9395, 48.2502,  
21.8751


 109.7325,  
113.4470, 65.5326

 33.1956, 34.0250,  
13.5677


 139.0684,  
143.9678, 87.7254

 22.4363, 22.9128,  
7.6853

 173.2157,  
179.5234, 114.4358

 14.2962, 14.5292,  
3.8094


212.5398,  
220.4983, 146.0825

 8.4100, 8.4896,  
1.5214

257.4059,  
267.2770, 183.0840

 4.4124, 4.4098,  
0.2338

308.1795,

 1.9380, 1.9053,

320.2437, 225.8588

0.0000

365.2260,  
379.7828, 274.8254

■ 0.5988, 0.5516,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.0334, 65.9726,  
33.0260

■ 64.0334, 65.9726,  
33.0260

■ 60.5766, 61.5414,  
24.2210

■ 67.9850, 70.7649,  
43.9339

■ 57.5815, 57.4484,  
17.3739

■ 72.4521, 75.9216,  
57.0687

■ 55.0183, 53.6818,  
12.3276

■ 77.4600, 81.4573,  
72.5492

■ 52.8508, 50.2247,  
8.8987

■ 83.0306, 87.3832,  
90.4848

■ 51.0352, 47.0571,  
6.8640

■ 88.6157, 93.4819,  
107.9810

■ 50.0197, 45.1699,  
6.0823

■ 90.7721, 97.7947,  
108.6998

# Harmonies

## Analogous

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



72.9443, 65.9726, 38.3375



64.0334, 65.9726, 33.0260



55.5528, 65.9726, 35.9051

# Triad

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



64.0334, 65.9726, 33.0260



48.4222, 65.9726, 95.3263



78.0158, 65.9726, 103.4488

# Complementary

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



64.0334, 65.9726, 33.0260



41.2463, 41.2931, 90.5903

# 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.



70.4461, 65.9726, 126.1188



64.0334, 65.9726, 33.0260



53.4717, 65.9726, 120.7000

# Square

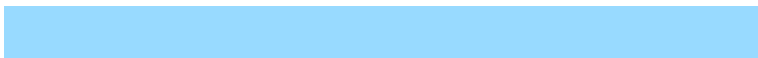
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0334, 65.9726, 33.0260



47.0542, 65.9726, 68.1208



61.3951, 65.9726, 133.0821



81.4902, 65.9726, 75.6775



# Rectangle

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



64.0334, 65.9726, 33.0260



51.1871, 65.9726, 42.5594



61.3951, 65.9726, 133.0821



75.8328, 65.9726, 112.1548

# Sweetspot

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



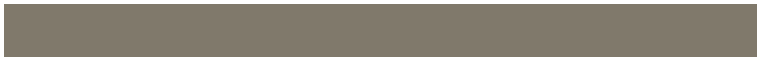
64.0350, 65.9757, 33.0273



86.7723, 91.2610, 82.0436



53.3867, 39.9381, 44.0935



18.2950, 19.2319, 16.6854



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.



64.0350, 65.9757, 33.0273



68.1277, 69.3750, 28.3426



67.7215, 81.9685, 35.9200



17.4268, 18.3377, 17.4186



27.5813, 25.0481, 3.3811



2.5180, 2.3891, 0.3284



# Inverse Universe

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



41.2463, 41.2931, 90.5903



39.8010, 38.7233, 99.9843



38.5777, 31.2988, 88.8019



16.0280, 16.8203, 20.9444



10.5720, 6.9378, 47.3199



1.0194, 0.7903, 4.1890



# Previews

## White Background



This preview shows how the XYZ color 64.0334, 65.9726, 33.0260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

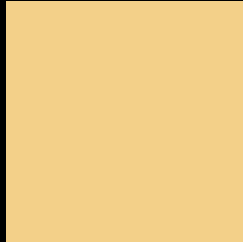
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0334, 65.9726, 33.0260 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 64.0334, 65.9726, 33.0260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0334, 65.9726, 33.0260.



This preview shows how white text looks on a background with the XYZ color 64.0334, 65.9726,



# 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

64.0334, 65.9726, 33.0260

### Protanopia

61.1587, 65.9400, 33.9304

### Deuteranopia

67.2561, 65.8360, 33.5889



## Tritanopia

72.1153, 65.7524, 72.5089

# Trichromacy



## Original Color

64.0334, 65.9726, 33.0260

## Protanomaly

62.1427, 66.0857, 33.5253

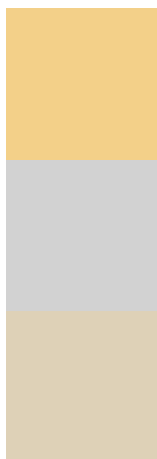
## Deuteranomaly

66.2024, 66.0069, 33.2961

## Tritanomaly

68.6949, 65.7427, 55.5234

# Monochromacy



## Original Color

64.0334, 65.9726, 33.0260

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

61.4719, 64.5494, 54.0191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0334, 65.9726, 33.0260 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(243, 208, 137)` looks like.

```
.text, #text, p{  
    color:rgb(243, 208, 137)  
}
```

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(243, 208, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 208, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0334, 65.9726, 33.0260 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(243, 208, 137) }
```



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

```
.border{ border-color:rgb(243, 208, 137) }
```

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

Here you see how a box with a 4 pixel rgb(243, 208, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 208, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 208, 137);  
box-shadow:4px 4px 4px 4px rgb(243, 208,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0334, 65.9726, 33.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 208, 137) }
```

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

```
.background{ background-color: rgb(243,  
208, 137) }
```

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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