

# Converting Colors

XYZ(55.9537, 64.0558, 14.2178)

Have a look what the booklet for  
XYZ(55.9537, 64.0558, 14.2178)  
contains.

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# Color

**XYZ(56.0837, 64.1274,  
14.2724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D540
RGB	226, 213, 64
RGB Percent	89%, 84%, 25%
CMY	0.1137, 0.1647, 0.7490
CMYK	0.00, 0.06, 0.72, 0.11
HSL	55°, 74%, 57%
HSV	55°, 72%, 89%
XYZ	56.0837, 64.1274, 14.2724
YIQ	199.9010, 55.5770, -43.5830

# Conversions

## Conversions Part 2

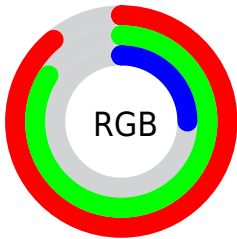
Format	Color
<a href="#">RYB</a>	<a href="#">78, 226, 64</a>
Decimal	<a href="#">14865728</a>
CIELab	<a href="#">84.03, -11.80, 70.87</a>
CIELCh	<a href="#">84, 71.848, 99.451</a>
Yxy	<a href="#">64.1274, 0.4170, 0.4768</a>
Android (android.graphics.Color)	<a href="#">4293055808</a> ( <a href="#">0xFFE2D540</a> )
YUV	<a href="#">199.9010, -66.9992, 22.8888</a>
Hunter-Lab	<a href="#">80.0796, -15.1269, 45.4886</a>

# Details

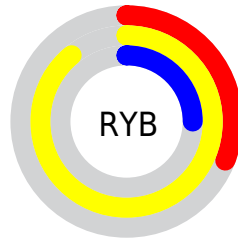
The XYZ color **56.0837, 64.1274, 14.2724** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **18.4959, 11.8887, 73.2710**, and the grayscale version is **55.2160, 58.0915, 63.2616**.

A 20% lighter version of the original color is **80.4512, 94.1605, 32.0237**, and **28.3345, 33.0118, 4.8785** is the 20% darker color. If you saturate the color by 10%, you get **55.1135, 63.0162, 11.3937**, and if you desaturate by 10%, it is **57.3224, 65.3590, 18.5268**.

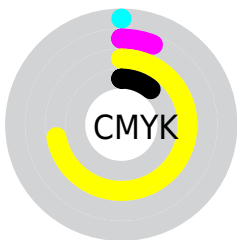
# Distribution



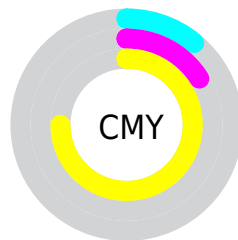
- Red (89%)
- Green (84%)
- Blue (25%)



- Red (31%)
- Yellow (89%)
- Blue (25%)



- Cyan (0%)
- Magenta (6%)
- Yellow (72%)
- Black (11%)




- Cyan (11%)
- Magenta (16%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0837, 64.1274, 14.2724 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 56.0837, 64.1274, 14.2724 by changing the saturation by 10% instead.





 56.0837, 64.1274,  
14.2724

 56.0837, 64.1274,  
14.2724


400.0768,  
439.6496, 230.4060


 40.5073, 46.7539,  
8.1695


 98.2660, 110.7944,  
34.2956

 28.1203, 32.8411,  
4.1142


 125.6027,  
140.8566, 49.0530


 18.5573, 22.0048,  
1.6882

 157.5901,  
175.9173, 67.5323

 11.4529, 13.8604,  
0.3526

 194.5937,  
216.3606, 90.1520

 6.4419, 8.0236,  
0.0000

 236.9789,  
262.5711, 117.3307

 3.1588, 4.1101,  
0.0000

285.1108,

 1.2383, 1.7353,

314.9332, 149.4869

0.0000

339.3550,  
373.8312, 187.0391

■ 0.1363, 0.4464,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.0837, 64.1274,  
14.2724

■ 56.0837, 64.1274,  
14.2724

■ 55.1135, 63.0162,  
11.3937

■ 57.3224, 65.3590,  
18.5268

■ 54.3737, 62.0029,  
9.7094

■ 58.8532, 66.7131,  
24.3010

■ 53.8886, 61.2181,  
8.9761

■ 60.7021, 68.2028,  
31.7251

■ 62.8911, 69.8366,  
40.9142

■ 65.4399, 71.6227,  
51.9732

■ 68.3671, 73.5684,  
64.9987

■ 71.6897, 75.6806,  
80.0807

■ 75.4237, 77.9657,  
97.3038

■ 77.5219, 79.6048,  
105.8872

# Harmonies

## Analogous

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



72.2842, 64.1274, 15.8424



56.0837, 64.1274, 14.2724



43.5679, 64.1274, 21.7928

# Triad

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



56.0837, 64.1274, 14.2724



40.3208, 64.1274, 141.2447



94.1655, 64.1274, 105.1517

# Complementary

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



56.0837, 64.1274, 14.2724



18.4959, 11.8887, 73.2710

# 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.



82.4344, 64.1274, 161.2055



56.0837, 64.1274, 14.2724



50.8693, 64.1274, 187.5528

# Square

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



56.0837, 64.1274, 14.2724



35.5647, 64.1274, 85.1548



66.0924, 64.1274, 196.1206



96.2185, 64.1274, 56.4531



# Rectangle

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



56.0837, 64.1274, 14.2724



38.2963, 64.1274, 34.1985



66.0924, 64.1274, 196.1206



91.1373, 64.1274, 124.2325

# Sweetspot

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



56.0852, 64.1304, 14.2737



85.8785, 94.0614, 67.6014



34.5550, 20.3790, 9.2273



18.1767, 19.9920, 13.5730



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.



56.0852, 64.1304, 14.2737



71.9570, 82.1917, 13.7172



42.3212, 62.0827, 14.6039



14.7728, 15.8315, 14.5840



30.7849, 35.0076, 5.1346



2.1621, 2.4830, 0.3653



# Inverse Universe

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



18.4959, 11.8887, 73.2710



20.0535, 10.1624, 95.5123



24.9992, 14.0239, 73.3403



13.0400, 13.4190, 17.2905



7.9901, 3.4497, 41.2931



0.5850, 0.3015, 2.8726



# Previews

## White Background



This preview shows how the XYZ color 56.0837, 64.1274, 14.2724 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 56.0837, 64.1274, 14.2724 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 56.0837, 64.1274, 14.2724

## Background



This preview shows how black text looks on a background with the XYZ color 56.0837, 64.1274, 14.2724.



This preview shows how white text looks on a background with the XYZ color 56.0837, 64.1274,



# 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

56.0837, 64.1274, 14.2724

### Protanopia

58.2047, 64.1142, 14.0102

### Deuteranopia

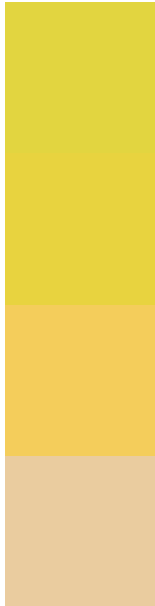
64.7282, 64.0739, 22.5916



## Tritanopia

67.8209, 63.8790, 72.3737

# Trichromacy



## Original Color

56.0837, 64.1274, 14.2724

## Protanomaly

57.4702, 64.1032, 14.0468

## Deuteranomaly

61.0279, 63.6511, 18.9669

## Tritanomaly

61.7826, 63.1814, 41.7398

# Monochromacy



## Original Color

56.0837, 64.1274, 14.2724

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

53.7117, 59.4523, 37.9227

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.0837, 64.1274, 14.2724 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(226, 213, 64)` looks like.

```
.text, #text, p{  
    color:rgb(226, 213, 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(226, 213, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 213, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0837, 64.1274, 14.2724 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(226, 213, 64) }
```



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

```
.border{ border-color:rgb(226, 213, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 213, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 213, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 213, 64);  
box-shadow:4px 4px 4px 4px rgb(226, 213,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0837, 64.1274, 14.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 213, 64) }
```

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

```
.background{ background-color: rgb(226,  
213, 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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