

Converting Colors

XYZ(64.7777, 69.3941, 40.2726)

Have a look what the booklet for
XYZ(64.7777, 69.3941, 40.2726)
contains.

XYZ(64.8236, 69.5878, 40.1522)	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(64.8236, 69.5878,
40.1522)**

Conversions

Conversions Part 1

Format	Color
Hex	EBD999
RGB	235, 217, 153
RGB Percent	92%, 85%, 60%
CMY	0.0784, 0.1490, 0.4000
CMYK	0.00, 0.08, 0.35, 0.08
HSL	47°, 67%, 76%
HSV	47°, 35%, 92%
XYZ	64.8236, 69.5878, 40.1522
YIQ	215.0860, 31.2720, -16.0880

Conversions

Conversions Part 2

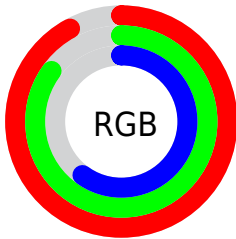
Format	Color
R _Y B	176, 235, 153
Decimal	15456665
CIE Lab	86.79, -2.96, 33.81
CIE LCh	87, 33.940, 95.006
Yxy	69.5878, 0.3713, 0.3986
Android (android.graphics.Color)	4293646745 (0xFFEBD999)
YUV	215.0860, -30.6084, 17.4646
Hunter-Lab	83.4193, -7.2747, 29.8555

Details

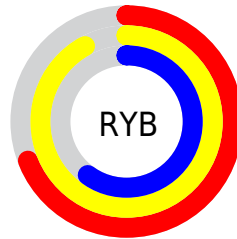
The XYZ color **64.8236, 69.5878, 40.1522** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.6949, 41.8951, 84.4337**, and the grayscale version is **64.8370, 68.2136, 74.2846**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **33.6294, 36.2452, 17.5355** is the 20% darker color. If you saturate the color by 10%, you get **61.7627, 66.2721, 30.4808**, and if you desaturate by 10%, it is **68.3119, 73.1459, 51.8534**.

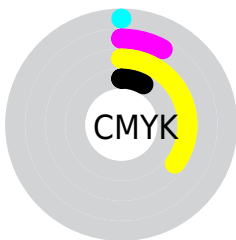
Distribution



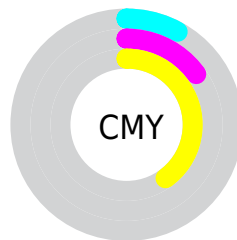
- Red (92%)
- Green (85%)
- Blue (60%)



- Red (69%)
- Yellow (92%)
- Blue (60%)



- Cyan (0%)
- Magenta (8%)
- Yellow (35%)
- Black (8%)





- Cyan (8%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8236, 69.5878, 40.1522 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 64.8236, 69.5878, 40.1522 by changing the saturation by 10% instead.


 64.8236, 69.5878,
40.1522


 64.8236, 69.5878,
40.1522


431.7130,
459.1014, 362.3358

 47.5822, 51.1906,
27.3425

 110.8633,
118.6207, 76.6348

 33.7060, 36.3603,
17.5959


 140.3924,
150.0252, 101.1449

 22.8297, 24.7126,
10.4939


174.7481,
186.5343, 130.3922

 14.5878, 15.8630,
5.6177

214.2957,
228.5322, 164.7952

 8.6150, 9.4273,
2.5491

259.4007,
276.4035, 204.7726

 4.5460, 5.0209,
0.8660

310.4283,

 2.0154, 2.2595,

330.5326, 250.7428

0.0000

367.7440,
391.3037, 303.1243

■ 0.6426, 0.7522,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8236, 69.5878,
40.1522

■ 64.8236, 69.5878,
40.1522

■ 61.7627, 66.2721,
30.4808

■ 68.3119, 73.1459,
51.8534

■ 59.1009, 63.1794,
22.7161

■ 72.2433, 76.9458,
65.6893

■ 56.8148, 60.3023,
16.7282

■ 76.6392, 80.9992,
81.7626

■ 54.8758, 57.6286,
12.3691

■ 81.5179, 85.3138,
100.1682

■ 53.2510, 55.1447,
9.4668

■ 84.2991, 88.8583,
107.3161

■ 51.8998, 52.8336,
7.8104

■ 85.8624, 91.9850,
107.8372

■ 51.2834, 51.7070,
7.2775

■ 87.4694, 95.1990,
108.3729

■ 88.0710, 96.4022,
108.5734

Harmonies

Analogous

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



72.7732, 69.5878, 42.7677



64.8236, 69.5878, 40.1522



57.7994, 69.5878, 45.4149

Triad

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



64.8236, 69.5878, 40.1522



54.4563, 69.5878, 103.5845



80.8956, 69.5878, 95.6896

Complementary

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



64.8236, 69.5878, 40.1522



42.6949, 41.8951, 84.4337

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.



75.2492, 69.5878, 117.3089



64.8236, 69.5878, 40.1522



59.9247, 69.5878, 122.4664

Square

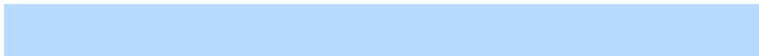
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8236, 69.5878, 40.1522



52.1259, 69.5878, 79.6317



67.4764, 69.5878, 127.9313



82.4672, 69.5878, 72.0338

Rectangle

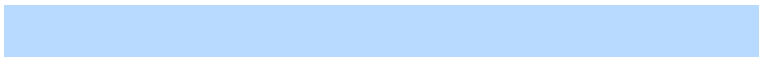
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8236, 69.5878, 40.1522



54.4547, 69.5878, 53.4469



67.4764, 69.5878, 127.9313



79.3903, 69.5878, 103.5748

Sweetspot

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



64.8254, 69.5910, 40.1536



89.4535, 94.9466, 88.1071



53.1119, 43.4291, 44.6811



18.9884, 20.1759, 18.2812



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.



64.8254, 69.5910, 40.1536



75.2927, 80.8256, 39.6080



62.9378, 75.8829, 41.4676



16.0552, 17.0335, 15.9603



28.6398, 28.9739, 4.0830



2.3181, 2.4136, 0.3437

Inverse Universe

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



42.6949, 41.8951, 84.4337



44.8837, 42.7847, 100.5004



44.0366, 37.8800, 83.5880



14.4992, 15.0849, 19.0697



9.0954, 4.8377, 44.1974



0.7838, 0.5191, 3.4938

Previews

White Background



This preview shows how the XYZ color 64.8236, 69.5878, 40.1522 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 64.8236, 69.5878, 40.1522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

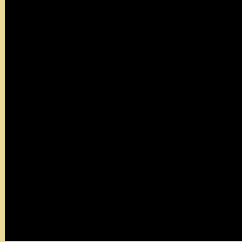
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8236, 69.5878, 40.1522

Background



This preview shows how black text looks on a background with the XYZ color 64.8236, 69.5878, 40.1522.

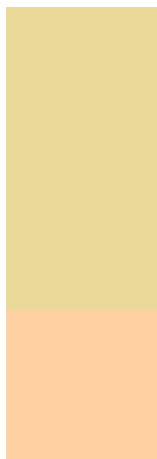


This preview shows how white text looks on a background with the XYZ color 64.8236, 69.5878,

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

64.8236, 69.5878, 40.1522

Protanopia

64.4943, 69.4180, 40.1368

Deuteranopia

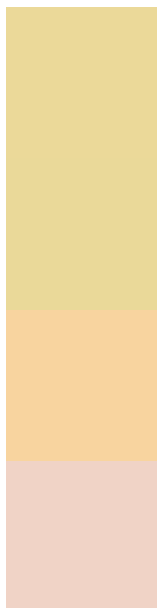
70.5621, 69.4696, 43.8724



Tritanopia

72.9726, 69.5483, 80.0991

Trichromacy



Original Color

64.8236, 69.5878, 40.1522

Protanomaly

64.4943, 69.4180, 40.1368

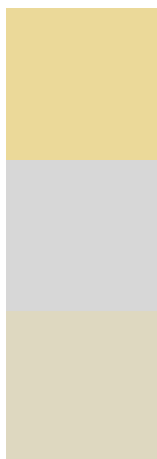
Deuteranomaly

68.5129, 69.5466, 42.6137

Tritanomaly

69.4225, 69.1910, 63.1223

Monochromacy



Original Color

64.8236, 69.5878, 40.1522

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.1945, 68.4471, 59.6974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8236, 69.5878, 40.1522 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(235, 217, 153)` looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 153)  
}
```

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(235, 217, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 153) }
```

Border

The CSS property to change the border of an element to XYZ 64.8236, 69.5878, 40.1522 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(235, 217, 153) }
```


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

```
.border{ border-color:rgb(235, 217, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 217, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 153);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8236, 69.5878, 40.1522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 153) }
```

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

```
.background{ background-color: rgb(235,  
217, 153) }
```

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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