

Converting Colors

XYZ(63.7457, 66.1756, 48.4431)

Have a look what the booklet for
XYZ(63.7457, 66.1756, 48.4431)
contains.

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Color

**XYZ(63.7717, 66.2275,
48.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	E8D2AC
RGB	232, 210, 172
RGB Percent	91%, 82%, 67%
CMY	0.0902, 0.1764, 0.3255
CMYK	0.00, 0.09, 0.26, 0.09
HSL	38°, 57%, 79%
HSV	38°, 26%, 91%
XYZ	63.7717, 66.2275, 48.4518
YIQ	212.2460, 25.3100, -7.1540

Conversions

Conversions Part 2

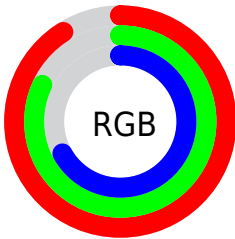
Format	Color
R_{YB}	207, 232, 172
Decimal	15258284
CIE _{Lab}	85.11, 1.89, 21.64
CIE _{LCh}	85, 21.723, 84.997
Yxy	66.2275, 0.3574, 0.3711
Android (android.graphics.Color)	4293448364 (0xFFE8D2AC)
YUV	212.2460, -19.8413, 17.3243
Hunter-Lab	81.3803, -2.5383, 21.6664

Details

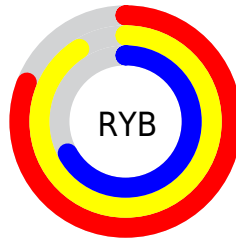
The XYZ color **63.7717, 66.2275, 48.4518** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.8702, 53.1791, 83.9277**, and the grayscale version is **62.8604, 66.1341, 72.0200**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.1831, 34.3631, 22.6531** is the 20% darker color. If you saturate the color by 10%, you get **59.6915, 61.3267, 37.0420**, and if you desaturate by 10%, it is **68.3560, 71.5132, 61.9502**.

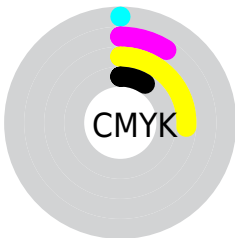
Distribution



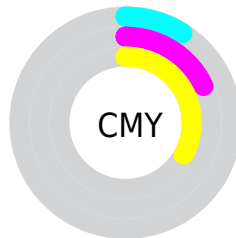
- Red (91%)
- Green (82%)
- Blue (67%)



- Red (81%)
- Yellow (91%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (26%)
- Black (9%)



- Cyan (9%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7717, 66.2275, 48.4518 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 63.7717, 66.2275, 48.4518 by changing the saturation by 10% instead.

63.7717, 66.2275,
48.4518

63.7717, 66.2275,
48.4518

427.9800,
447.1901, 397.1404

46.7268, 48.4571,
33.8223

109.3577,
113.8128, 89.2492

33.0268, 34.1890,
22.4808

138.6294,
144.3965, 116.2543

22.3063, 23.0388,
14.0090

172.7075,
180.0201, 148.2215

14.2000, 14.6222,
7.9881

211.9572,
221.0679, 185.5696

8.3425, 8.5547,
3.9997

256.7440,
267.9245, 228.7169

4.3685, 4.4519,
1.6252

307.4331,

1.9127, 1.9294,

320.9741, 278.0822

0.3087

364.3900,
380.6011, 334.0838

■ 0.5842, 0.5660,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7717, 66.2275,
48.4518

■ 63.7717, 66.2275,
48.4518

■ 59.6915, 61.3267,
37.0420

■ 68.3560, 71.5132,
61.9502

■ 56.0882, 56.7901,
27.6096

■ 73.4597, 77.1855,
77.6323

■ 52.9398, 52.6086,
20.0393

■ 79.1036, 83.2578,
95.5924

■ 50.2201, 48.7686,
14.2021

■ 83.6871, 89.0924,
107.3935

■ 47.8998, 45.2556,
9.9522

■ 86.3059, 94.3300,
108.2664

■ 45.9447, 42.0528,
7.1198

■ 87.0889, 95.8959,
108.5274

■ 44.3132, 39.1405,
5.4950

■ 43.7051, 38.0084,
5.0328

Harmonies

Analogous

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



68.5024, 66.2275, 52.2066



63.7717, 66.2275, 48.4518



59.0530, 66.2275, 50.3339

Triad

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



63.7717, 66.2275, 48.4518



54.7959, 66.2275, 84.1120



70.9764, 66.2275, 88.7052

Complementary

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



63.7717, 66.2275, 48.4518



50.8702, 53.1791, 83.9277

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.



67.0091, 66.2275, 99.4056



63.7717, 66.2275, 48.4518



57.7009, 66.2275, 96.5221

Square

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



63.7717, 66.2275, 48.4518



54.0284, 66.2275, 69.7850



62.1299, 66.2275, 102.4363



72.7973, 66.2275, 74.4871

Rectangle

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



63.7717, 66.2275, 48.4518



56.5237, 66.2275, 54.6784



62.1299, 66.2275, 102.4363



69.8399, 66.2275, 92.9021

Sweetspot

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



63.7734, 66.2305, 48.4532



89.5982, 94.0761, 91.7308



57.7695, 50.5567, 57.7534



18.9686, 19.9054, 18.9867



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.



63.7734, 66.2305, 48.4532



76.2737, 78.7969, 52.2376



67.0440, 76.5395, 50.2706



15.1342, 15.8822, 15.1724



24.3873, 21.3488, 2.8354



1.8900, 1.7533, 0.2388

Inverse Universe

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



50.8702, 53.1791, 83.9277



57.7575, 60.0729, 103.1588



48.1412, 45.0355, 82.4997



14.0133, 14.7480, 18.2524



10.0016, 7.0653, 43.2198



0.8253, 0.6945, 3.2225

Previews

White Background



This preview shows how the XYZ color 63.7717, 66.2275, 48.4518 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 63.7717, 66.2275, 48.4518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

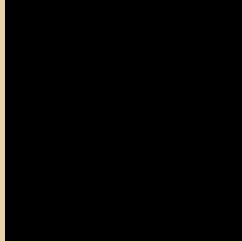
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7717, 66.2275, 48.4518

Background



This preview shows how black text looks on a background with the XYZ color 63.7717, 66.2275, 48.4518.



This preview shows how white text looks on a background with the XYZ color 63.7717, 66.2275,

48.4518.

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

63.7717, 66.2275, 48.4518

Protanopia

62.1376, 66.1116, 49.0210

Deuteranopia

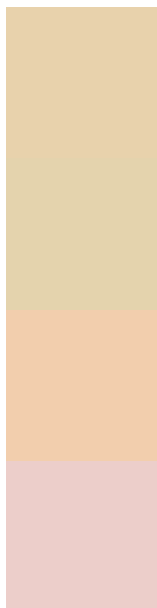
67.4935, 65.9770, 48.7127



Tritanopia

69.4020, 66.0035, 76.0999

Trichromacy



Original Color

63.7717, 66.2275, 48.4518

Protanomaly

62.8320, 66.0996, 48.9821

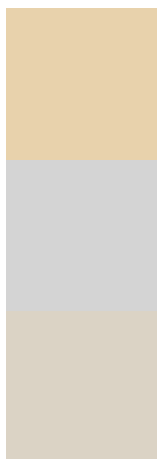
Deuteranomaly

66.2321, 66.0370, 48.7908

Tritanomaly

67.3240, 66.2397, 65.1143

Monochromacy



Original Color

63.7717, 66.2275, 48.4518

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.5857, 65.6798, 62.2022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7717, 66.2275, 48.4518 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(232, 210, 172)` looks like.

```
.text, #text, p{  
    color:rgb(232, 210, 172)  
}
```

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(232, 210, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 210, 172) }
```

Border

The CSS property to change the border of an element to XYZ 63.7717, 66.2275, 48.4518 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(232, 210, 172) }
```


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

```
.border{ border-color:rgb(232, 210, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 210, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 210, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 210, 172);  
box-shadow:4px 4px 4px 4px rgb(232, 210,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7717, 66.2275, 48.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 210, 172) }
```

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

```
.background{ background-color: rgb(232,  
210, 172) }
```

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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