

Converting Colors

XYZ(65.8865, 69.4969, 51.4013)

Have a look what the booklet for
XYZ(65.8865, 69.4969, 51.4013)
contains.

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Color

**XYZ(65.7704, 69.4419,
51.5321)**

Conversions

Conversions Part 1

Format	Color
Hex	E8D8B1
RGB	232, 216, 177
RGB Percent	91%, 85%, 69%
CMY	0.0902, 0.1529, 0.3059
CMYK	0.00, 0.07, 0.24, 0.09
HSL	43°, 54%, 80%
HSV	43°, 24%, 91%
XYZ	65.7704, 69.4419, 51.5321
YIQ	216.3380, 22.0550, -8.7370

Conversions

Conversions Part 2

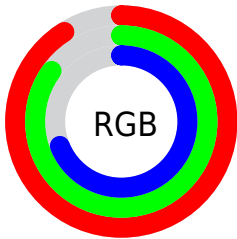
Format	Color
RYB	200, 232, 177
Decimal	15259825
CIELab	86.72, -0.52, 21.25
CIELCh	87, 21.254, 91.401
Yxy	69.4419, 0.3522, 0.3719
Android (android.graphics.Color)	4293449905 (0xFFE8D8B1)
YUV	216.3380, -19.3936, 13.7356
Hunter-Lab	83.3318, -4.9479, 21.6675

Details

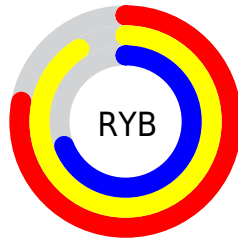
The XYZ color **65.7704, 69.4419, 51.5321** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.7666, 53.3118, 83.9061**, and the grayscale version is **65.6199, 69.0372, 75.1815**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **34.2875, 36.1751, 24.2441** is the 20% darker color. If you saturate the color by 10%, you get **61.9591, 65.2105, 39.8066**, and if you desaturate by 10%, it is **70.0495, 73.9788, 65.3547**.

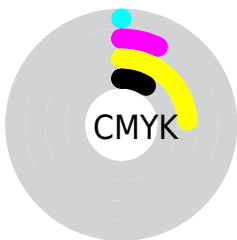
Distribution



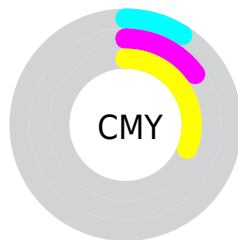
- Red (91%)
- Green (85%)
- Blue (69%)



- Red (78%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (7%)
- Yellow (24%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7704, 69.4419, 51.5321 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 65.7704, 69.4419, 51.5321 by changing the saturation by 10% instead.

■ 65.7704, 69.4419,
51.5321

■ 65.7704, 69.4419,
51.5321

435.0569,
458.5880, 409.5330

■ 48.3531, 51.0717,
36.2526

■ 112.2163,
118.4125, 93.8604

■ 34.3190, 36.2657,
24.3381

141.9755,
149.7817, 121.7462

■ 23.3028, 24.6394,
15.3701

176.5795,
186.2527, 154.6712

■ 14.9392, 15.8086,
8.9300

216.3935,
228.2098, 193.0540

■ 8.8627, 9.3888,
4.5994

261.7828,
276.0375, 237.3130

■ 4.7082, 4.9957,
1.9596

313.1130,

■ 2.1100, 2.2447,

330.1202, 287.8668

0.5303

370.7492,
390.8422, 345.1340

■ 0.6947, 0.7442,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7704, 69.4419,
51.5321

■ 65.7704, 69.4419,
51.5321

■ 61.9591, 65.2105,
39.8066

■ 70.0495, 73.9788,
65.3547

■ 58.5895, 61.2655,
30.0689

■ 74.8102, 78.8209,
81.3675

■ 55.6408, 57.5998,
22.2063

■ 80.0725, 83.9798,
99.6634

■ 53.0885, 54.2021,
16.0930

■ 83.3776, 88.4733,
107.2903

■ 50.9047, 51.0599,
11.5877

■ 85.4339, 92.5860,
107.9758

■ 49.0577, 48.1589,
8.5270

■ 87.0889, 95.8959,
108.5274

■ 47.5088, 45.4823,
6.7122

■ 46.6495, 43.8972,
6.0143

Harmonies

Analogous

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



70.6575, 69.4419, 54.1408



65.7704, 69.4419, 51.5321



61.1732, 69.4419, 54.6750

Triad

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



65.7704, 69.4419, 51.5321



58.2177, 69.4419, 90.6980



74.7040, 69.4419, 89.4032

Complementary

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



65.7704, 69.4419, 51.5321



51.7666, 53.3118, 83.9061

Split Complementary

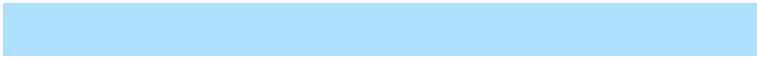
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.0794, 69.4419, 101.3054



65.7704, 69.4419, 51.5321



61.5565, 69.4419, 102.1162

Square

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



65.7704, 69.4419, 51.5321



56.9493, 69.4419, 76.2777



66.2350, 69.4419, 106.2179



75.9675, 69.4419, 74.9470

Rectangle

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



65.7704, 69.4419, 51.5321



58.8495, 69.4419, 59.8680



66.2350, 69.4419, 106.2179



73.7127, 69.4419, 93.8956

Sweetspot

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



65.7722, 69.4450, 51.5336



90.6743, 95.6357, 93.9162



58.6830, 52.4735, 57.7813



19.3303, 20.3914, 19.8394



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.



65.7722, 69.4450, 51.5336



79.3398, 83.6839, 57.0988



66.6117, 76.2601, 52.8048



15.2290, 16.0719, 15.2040



26.0115, 24.5971, 3.3768



2.0012, 1.9758, 0.2759

Inverse Universe

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



51.7666, 53.3118, 83.9061



59.4010, 60.7201, 103.1971



51.0274, 47.9628, 82.9126



13.9226, 14.5666, 18.2222



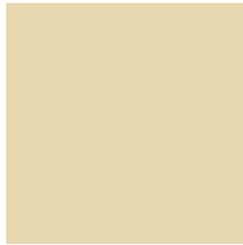
9.3102, 5.6825, 42.9893



0.7660, 0.5759, 3.2028

Previews

White Background



This preview shows how the XYZ color 65.7704, 69.4419, 51.5321 looks on a white background.

Color Contrast Check

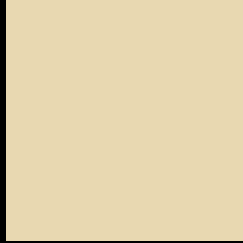
Large Text (above 18pt) WCAG AA × Fail

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 65.7704, 69.4419, 51.5321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

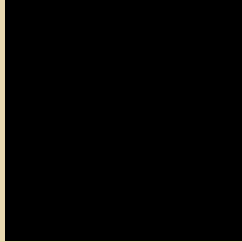
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7704, 69.4419, 51.5321

Background



This preview shows how black text looks on a background with the XYZ color 65.7704, 69.4419, 51.5321.

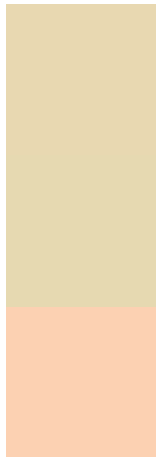


This preview shows how white text looks on a background with the XYZ color 65.7704, 69.4419,

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

65.7704, 69.4419, 51.5321

Protanopia

65.3818, 69.6230, 51.5876

Deuteranopia

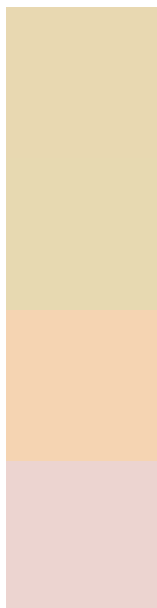
70.9812, 69.5107, 51.7953



Tritanopia

71.7878, 69.2691, 81.5381

Trichromacy



Original Color

65.7704, 69.4419, 51.5321

Protanomaly

65.7037, 69.7890, 51.6026

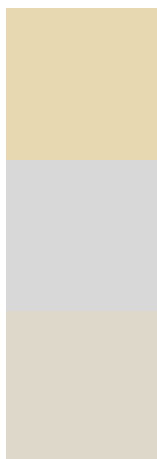
Deuteranomaly

69.2356, 69.7138, 51.9265

Tritanomaly

69.5207, 69.4739, 69.4202

Monochromacy



Original Color

65.7704, 69.4419, 51.5321

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.3407, 68.9056, 65.7334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7704, 69.4419, 51.5321 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, 216, 177)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 177)  
}
```

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, 216, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 177) }
```

Border

The CSS property to change the border of an element to XYZ 65.7704, 69.4419, 51.5321 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, 216, 177) }
```


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

```
.border{ border-color:rgb(232, 216, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 216, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 216, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 216, 177);  
box-shadow:4px 4px 4px 4px rgb(232, 216,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7704, 69.4419, 51.5321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 177) }
```

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

```
.background{ background-color: rgb(232,  
216, 177) }
```

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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