

Converting Colors

XYZ(48.1112, 44.3998, 21.7904)

Have a look what the booklet for
XYZ(48.1112, 44.3998, 21.7904)
contains.

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Color

**XYZ(48.1143, 44.4334,
21.6634)**

Conversions

Conversions Part 1

Format	Color
Hex	E3A571
RGB	227, 165, 113
RGB Percent	89%, 65%, 44%
CMY	0.1098, 0.3529, 0.5569
CMYK	0.00, 0.27, 0.50, 0.11
HSL	27°, 67%, 67%
HSV	27°, 50%, 89%
XYZ	48.1143, 44.4334, 21.6634
YIQ	177.6100, 53.6440, -3.0280

Conversions

Conversions Part 2

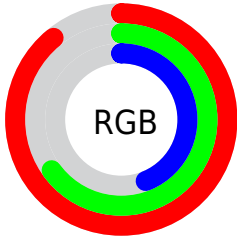
Format	Color
R _Y B	227, 209, 113
Decimal	14919025
CIE Lab	72.52, 16.95, 35.86
CIE LCh	73, 39.662, 64.702
Yxy	44.4334, 0.4213, 0.3890
Android (android.graphics.Color)	4293109105 (0xFFE3A571)
YUV	177.6100, -31.8527, 43.3150
Hunter-Lab	66.6584, 12.1899, 27.3921

Details

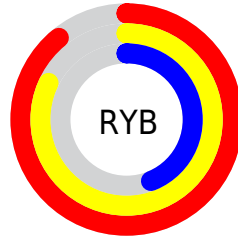
The XYZ color **48.1143, 44.4334, 21.6634** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.0044, 39.7150, 78.4409**, and the grayscale version is **42.2549, 44.4554, 48.4119**.

A 20% lighter version of the original color is **73.7161, 75.1996, 46.7061**, and **23.1927, 20.6154, 7.6073** is the 20% darker color. If you saturate the color by 10%, you get **44.8727, 39.7460, 15.0470**, and if you desaturate by 10%, it is **51.8927, 49.6829, 30.0363**.

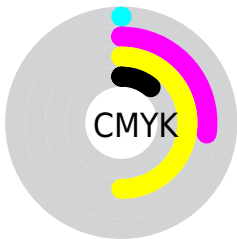
Distribution



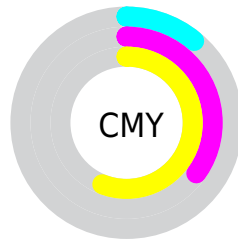
- Red (89%)
- Green (65%)
- Blue (44%)



- Red (89%)
- Yellow (82%)
- Blue (44%)



- Cyan (0%)
- Magenta (27%)
- Yellow (50%)
- Black (11%)





- Cyan (11%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1143, 44.4334, 21.6634 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 48.1143, 44.4334, 21.6634 by changing the saturation by 10% instead.


 48.1143, 44.4334,
21.6634


 48.1143, 44.4334,
21.6634


369.8201,
364.4739, 273.6793


 34.1290, 31.0114,
13.4138


 86.5832, 81.8695,
47.0841


 23.1561, 20.6075,
7.5801

 111.7976,
106.6524, 65.0923

 14.8301, 12.8374,
3.7435

 141.4857,
135.9910, 87.1904

 8.7858, 7.3167,
1.4857

 176.0130,
170.2697, 113.7970

 4.6577, 3.6609,
0.2073

215.7447,
209.8730, 145.3307

 2.0805, 1.4858,
0.0000

261.0462,

 0.6786, 0.2787,

255.1852, 182.2099

0.0000

312.2828,
306.5907, 224.8533

■ 0.0000, 0.0000,
0.0000

■ 48.1143, 44.4334,
21.6634

■ 48.1143, 44.4334,
21.6634

■ 44.8727, 39.7460,
15.0470

■ 51.8927, 49.6829,
30.0363

■ 42.1342, 35.5923,
10.0546

■ 56.2321, 55.5083,
40.2797

■ 39.8658, 31.9507,
6.5387

■ 61.1592, 61.9309,
52.5012

■ 38.0278, 28.7947,
4.3230

■ 66.6976, 68.9688,
66.7990

■ 36.5840, 26.1419,
3.1177

■ 72.8698, 76.6393,
83.2651

■ 79.6967, 84.9589,
101.9857

■ 84.3563, 92.8065,
108.0751

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



54.0120, 44.4334, 29.9268



48.1143, 44.4334, 21.6634



41.1621, 44.4334, 19.6841

Triad

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



48.1143, 44.4334, 21.6634



30.4194, 44.4334, 51.5391



50.1833, 44.4334, 86.4873

Complementary

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



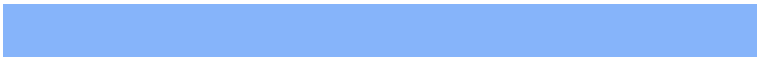
48.1143, 44.4334, 21.6634



36.0044, 39.7150, 78.4409

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.



43.3216, 44.4334, 96.5499



48.1143, 44.4334, 21.6634



32.3039, 44.4334, 73.1884

Square

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



48.1143, 44.4334, 21.6634



31.4092, 44.4334, 33.9860



36.8509, 44.4334, 91.1225



55.2942, 44.4334, 66.3547

Rectangle

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



48.1143, 44.4334, 21.6634



36.9642, 44.4334, 21.5667



36.8509, 44.4334, 91.1225



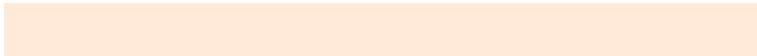
47.9792, 44.4334, 91.3752

Sweetspot

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



48.1154, 44.4356, 21.6643



83.2114, 85.2158, 77.5379



45.3906, 31.2642, 44.5614



17.4867, 17.8271, 15.7630



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.



48.1154, 44.4356, 21.6643



58.3521, 51.6470, 19.4637



60.5948, 69.3944, 25.8241



14.9159, 15.4457, 15.0996



21.4495, 15.4731, 1.8561



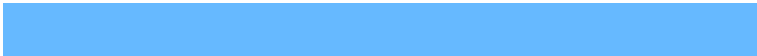
1.6769, 1.3272, 0.1678

Inverse Universe

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



36.0044, 39.7150, 78.4409



40.9210, 44.8279, 101.1036



27.2367, 22.1796, 75.5183



14.2290, 15.1795, 18.3243



12.3674, 11.7969, 44.0084



1.0065, 1.0570, 3.2829

Previews

White Background



This preview shows how the XYZ color 48.1143, 44.4334, 21.6634 looks on a white background.

Color Contrast Check

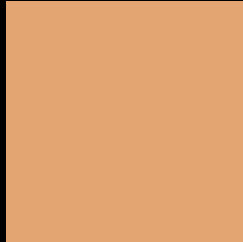
Large Text (above 18pt) WCAG AA × Fail

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 48.1143, 44.4334, 21.6634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

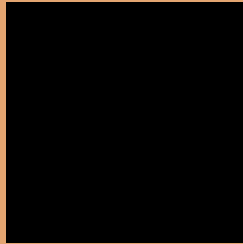
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1143, 44.4334, 21.6634

Background



This preview shows how black text looks on a background with the XYZ color 48.1143, 44.4334, 21.6634.



This preview shows how white text looks on a background with the XYZ color 48.1143, 44.4334,

21.6634.

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

48.1143, 44.4334, 21.6634

Protanopia

41.1827, 44.4863, 23.5557

Deuteranopia

45.3237, 44.3664, 21.5040



Tritanopia

52.7613, 44.5118, 43.8410

Trichromacy



Original Color

48.1143, 44.4334, 21.6634

Protanomaly

43.2728, 44.1272, 22.7597

Deuteranomaly

46.1407, 44.2352, 21.4356

Tritanomaly

50.8028, 44.4827, 34.3422

Monochromacy



Original Color

48.1143, 44.4334, 21.6634

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.5413, 43.9560, 36.7613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1143, 44.4334, 21.6634 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(227, 165, 113)` looks like.

```
.text, #text, p{  
    color:rgb(227, 165, 113)  
}
```

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(227, 165, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 165, 113) }
```

Border

The CSS property to change the border of an element to XYZ 48.1143, 44.4334, 21.6634 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(227, 165, 113) }
```


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

```
.border{ border-color:rgb(227, 165, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 165, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 165, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 165, 113);  
box-shadow:4px 4px 4px 4px rgb(227, 165,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1143, 44.4334, 21.6634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 165, 113) }
```

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

```
.background{ background-color: rgb(227,  
165, 113) }
```

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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