

Converting Colors

XYZ(51.1221, 46.8080, 22.0581)

Have a look what the booklet for
XYZ(51.1221, 46.8080, 22.0581)
contains.

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Color

**XYZ(51.2442, 46.8597,
21.9667)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA871
RGB	235, 168, 113
RGB Percent	92%, 66%, 44%
CMY	0.0784, 0.3412, 0.5569
CMYK	0.00, 0.29, 0.52, 0.08
HSL	27°, 75%, 68%
HSV	27°, 52%, 92%
XYZ	51.2442, 46.8597, 21.9667
YIQ	181.7630, 57.5870, -2.9010

Conversions

Conversions Part 2

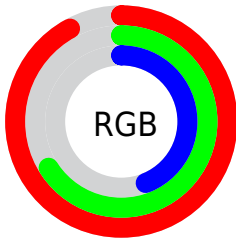
Format	Color
R _Y B	235, 213, 113
Decimal	15444081
CIE Lab	74.10, 18.59, 38.04
CIE LCh	74, 42.342, 63.963
Yxy	46.8597, 0.4268, 0.3903
Android (android.graphics.Color)	4293634161 (0xFFEBA871)
YUV	181.7630, -33.9002, 46.6888
Hunter-Lab	68.4541, 13.8289, 28.8919

Details

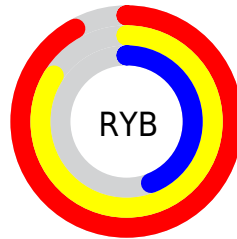
The XYZ color **51.2442, 46.8597, 21.9667** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.1258, 42.1494, 84.7231**, and the grayscale version is **44.4921, 46.8092, 50.9752**.

A 20% lighter version of the original color is **74.5106, 76.7885, 46.9709**, and **25.0753, 22.0911, 7.7929** is the 20% darker color. If you saturate the color by 10%, you get **47.8234, 41.8684, 15.1229**, and if you desaturate by 10%, it is **55.2463, 52.4655, 30.6950**.

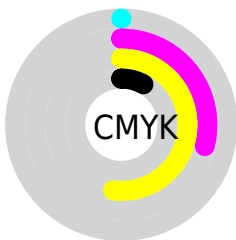
Distribution



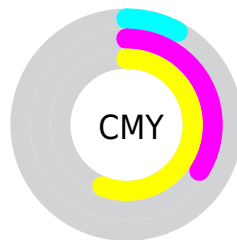
- Red (92%)
- Green (66%)
- Blue (44%)



- Red (92%)
- Yellow (84%)
- Blue (44%)



- Cyan (0%)
- Magenta (29%)
- Yellow (52%)
- Black (8%)





- Cyan (8%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2442, 46.8597, 21.9667 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 51.2442, 46.8597, 21.9667 by changing the saturation by 10% instead.


 51.2442, 46.8597,
21.9667


 51.2442, 46.8597,
21.9667


381.8839,
374.2542, 275.3202

 36.6248, 32.9248,
13.6343


 91.1965, 85.5042,
47.5924


 25.0895, 22.0688,
7.7310


 117.2601,
110.9825, 65.7229

 16.2728, 13.9075,
3.8380

 147.8692,
141.0774, 87.9565

 9.8095, 8.0563,
1.5369

 183.3891,
176.1732, 114.7117

 5.3341, 4.1310,
0.2452

224.1851,
216.6544, 146.4072

 2.4814, 1.7471,
0.0000

270.6227,

 0.8859, 0.4539,

262.9054, 183.4614

0.0000

323.0672,
315.3105, 226.2929

■ 0.0000, 0.0000,
0.0000

■ 51.2442, 46.8597,
21.9667

■ 51.2442, 46.8597,
21.9667

■ 47.8234, 41.8684,
15.1229

■ 55.2463, 52.4655,
30.6950

■ 44.9466, 37.4602,
10.0161

■ 59.8569, 58.7018,
41.4342

■ 42.5766, 33.6106,
6.4813

■ 65.1054, 65.5921,
54.3030

■ 40.6686, 30.2895,
4.3192

■ 71.0183, 73.1568,
69.4100

■ 39.4100, 27.9606,
3.3198

■ 77.6201, 81.4152,
86.8563

■ 84.9343, 90.3857,
106.7367

■ 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



57.7467, 46.8597, 31.0835



51.2442, 46.8597, 21.9667



43.5395, 46.8597, 19.6927

Triad

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



51.2442, 46.8597, 21.9667



31.5292, 46.8597, 53.9603



53.1829, 46.8597, 94.0378

Complementary

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



51.2442, 46.8597, 21.9667



38.1258, 42.1494, 84.7231

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.



45.5531, 46.8597, 104.9868



51.2442, 46.8597, 21.9667



33.5159, 46.8597, 78.0592

Square

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



51.2442, 46.8597, 21.9667



32.6898, 46.8597, 34.8124



38.4453, 46.8597, 98.4392



58.9522, 46.8597, 71.6142

Rectangle

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



51.2442, 46.8597, 21.9667



38.8802, 46.8597, 21.6048



38.4453, 46.8597, 98.4392



50.7212, 46.8597, 99.4316

Sweetspot

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



51.2453, 46.8620, 21.9676



82.4277, 84.1742, 75.6552



48.4146, 32.7721, 47.0076



17.3287, 17.6145, 15.3911



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.



51.2453, 46.8620, 21.9676



57.4293, 50.1937, 17.9463



65.2331, 74.8375, 26.6302



15.6247, 16.1725, 15.8168



22.0572, 15.8086, 1.8888



1.8269, 1.4311, 0.1799

Inverse Universe

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



38.1258, 42.1494, 84.7231



40.0511, 43.9198, 100.9742



28.4145, 22.7268, 81.4860



14.9169, 15.9202, 19.2089



12.8474, 12.3418, 45.4480



1.1047, 1.1609, 3.6007

Previews

White Background



This preview shows how the XYZ color 51.2442, 46.8597, 21.9667 looks on a white background.

Color Contrast Check

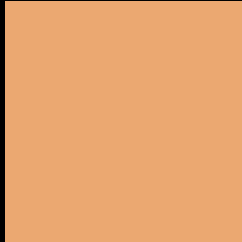
Large Text (above 18pt) WCAG AA × Fail

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 51.2442, 46.8597, 21.9667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

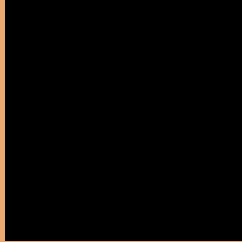
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2442, 46.8597, 21.9667

Background



This preview shows how black text looks on a background with the XYZ color 51.2442, 46.8597, 21.9667.



This preview shows how white text looks on a background with the XYZ color 51.2442, 46.8597,

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

51.2442, 46.8597, 21.9667

Protanopia

43.3464, 46.7936, 24.2002

Deuteranopia

47.8795, 46.8141, 21.8417



Tritanopia

56.0488, 46.6840, 45.5920

Trichromacy



Original Color

51.2442, 46.8597, 21.9667

Protanomaly

45.7970, 46.5775, 23.4062

Deuteranomaly

49.0412, 46.8437, 21.7862

Tritanomaly

53.9430, 46.6059, 35.4309

Monochromacy



Original Color

51.2442, 46.8597, 21.9667

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.8953, 46.2961, 38.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2442, 46.8597, 21.9667 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, 168, 113)` looks like.

```
.text, #text, p{  
    color:rgb(235, 168, 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(235, 168, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 168, 113) }
```

Border

The CSS property to change the border of an element to XYZ 51.2442, 46.8597, 21.9667 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, 168, 113) }
```


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

```
.border{ border-color:rgb(235, 168, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 168, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 168, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 168, 113);  
box-shadow:4px 4px 4px 4px rgb(235, 168,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2442, 46.8597, 21.9667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 168, 113) }
```

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

```
.background{ background-color: rgb(235,  
168, 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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