

Converting Colors

XYZ(45.2994, 36.1674, 16.1137)

Have a look what the booklet for
XYZ(45.2994, 36.1674, 16.1137)
contains.

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Color

**XYZ(45.2697, 36.1523,
16.1474)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8862
RGB	235, 136, 98
RGB Percent	92%, 53%, 38%
CMY	0.0784, 0.4666, 0.6157
CMYK	0.00, 0.42, 0.58, 0.08
HSL	17°, 77%, 65%
HSV	17°, 58%, 92%
XYZ	45.2697, 36.1523, 16.1474
YIQ	161.2690, 71.2020, 9.1700

Conversions

Conversions Part 2

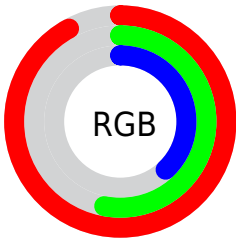
Format	Color
R_{YB}	235, 151, 98
Decimal	15435874
CIE _{Lab}	66.64, 34.28, 36.61
CIE _{LCh}	67, 50.159, 46.881
Yxy	36.1523, 0.4640, 0.3705
Android (android.graphics.Color)	4293625954 (0xFFEB8862)
YUV	161.2690, -31.1916, 64.6621
Hunter-Lab	60.1268, 29.1715, 26.1661

Details

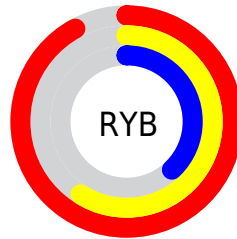
The XYZ color **45.2697, 36.1523, 16.1474** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.9974, 48.5247, 85.8550**, and the grayscale version is **34.1197, 35.8966, 39.0914**.

A 20% lighter version of the original color is **65.0783, 60.2568, 36.6345**, and **21.5034, 15.8412, 4.9419** is the 20% darker color. If you saturate the color by 10%, you get **42.1137, 31.3631, 10.4016**, and if you desaturate by 10%, it is **49.1320, 41.8333, 23.7359**.

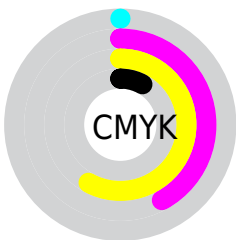
Distribution



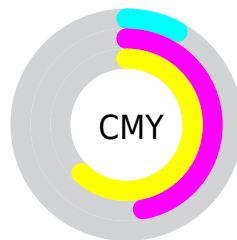
- Red (92%)
- Green (53%)
- Blue (38%)



- Red (92%)
- Yellow (59%)
- Blue (38%)



- Cyan (0%)
- Magenta (42%)
- Yellow (58%)
- Black (8%)





- Cyan (8%)
- Magenta (47%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2697, 36.1523, 16.1474 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 45.2697, 36.1523, 16.1474 by changing the saturation by 10% instead.


 45.2697, 36.1523,
16.1474


 45.2697, 36.1523,
16.1474

358.6301,
329.6257, 242.0853


 31.8721, 24.5518,
9.4730


 82.3596, 69.2671,
37.6243


 21.4189, 15.7435,
4.9500


 106.7825, 91.5502,
53.2638

 13.5447, 9.3428,
2.1597


 135.6113,
118.1630, 72.7289

 7.8843, 4.9655,
0.6510

 169.2113,
149.4898, 96.4379

 4.0722, 2.2270,
0.0000

207.9478,
185.9151, 124.8096

 1.7431, 0.7347,
0.0000

252.1862,

 0.4830, 0.0000,

227.8233, 158.2623

0.0000

302.2918,
275.5987, 197.2147

■ 0.0000, 0.0000,
0.0000

■ 45.2697, 36.1523,
16.1474

■ 45.2697, 36.1523,
16.1474

■ 42.1137, 31.3631,
10.4016

■ 49.1320, 41.8333,
23.7359

■ 39.6142, 27.4128,
6.3354

■ 53.7405, 48.4440,
33.3068

■ 37.7181, 24.2507,
3.7605

■ 59.1350, 56.0269,
44.9886

■ 36.3549, 21.8153,
2.4096

■ 65.3515, 64.6202,
58.8984

■ 36.1621, 21.4648,
2.2372

■ 72.4238, 74.2597,
75.1446

■ 80.3838, 84.9798,
93.8283

■ 88.0299, 96.3203,
108.5597

■ 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.



50.2087, 36.1523, 28.4832



45.2697, 36.1523, 16.1474



37.7630, 36.1523, 11.1701

Triad

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



45.2697, 36.1523, 16.1474



22.0742, 36.1523, 30.6614



38.7518, 36.1523, 94.0540

Complementary

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



45.2697, 36.1523, 16.1474



39.9974, 48.5247, 85.8550

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.



31.1710, 36.1523, 95.3222



45.2697, 36.1523, 16.1474



22.2584, 36.1523, 52.7126

Square

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



45.2697, 36.1523, 16.1474



24.8174, 36.1523, 17.2365



25.3638, 36.1523, 78.1768



46.0844, 36.1523, 75.1670

Rectangle

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



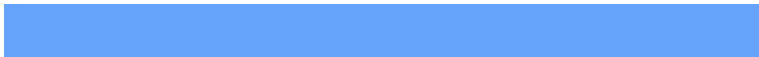
45.2697, 36.1523, 16.1474



32.6516, 36.1523, 10.8343



25.3638, 36.1523, 78.1768



36.1304, 36.1523, 96.7459

Sweetspot

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



45.2706, 36.1542, 16.1481



79.6482, 79.1331, 73.1324



48.8756, 30.4965, 57.0191



16.7019, 16.4629, 14.8677



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.



45.2706, 36.1542, 16.1481



50.0252, 36.7152, 11.3791



57.8293, 61.2715, 20.3343



15.4056, 15.7342, 15.7438



20.2181, 12.1304, 1.2758



1.6661, 1.1095, 0.1263

Inverse Universe

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



39.9974, 48.5247, 85.8550



43.0170, 52.6704, 102.5069



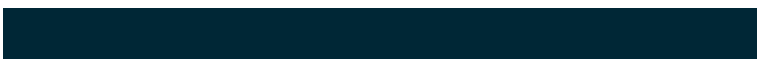
28.0108, 24.5515, 81.8595



15.1439, 16.3743, 19.2846



16.4383, 19.5236, 46.6450



1.3709, 1.6932, 3.6894

Previews

White Background



This preview shows how the XYZ color 45.2697, 36.1523, 16.1474 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 45.2697, 36.1523, 16.1474 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 45.2697, 36.1523, 16.1474

Background



This preview shows how black text looks on a background with the XYZ color 45.2697, 36.1523, 16.1474.



This preview shows how white text looks on a background with the XYZ color 45.2697, 36.1523,

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

45.2697, 36.1523, 16.1474

Protanopia

33.5316, 36.1535, 19.3984

Deuteranopia

37.0304, 36.2566, 15.6362



Tritanopia

48.1098, 36.3032, 29.2825

Trichromacy



Original Color

45.2697, 36.1523, 16.1474

Protanomaly

36.9159, 35.6523, 18.0326

Deuteranomaly

39.5194, 35.8549, 15.6643

Tritanomaly

47.0143, 36.2603, 23.9230

Monochromacy



Original Color

45.2697, 36.1523, 16.1474

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.5547, 34.9828, 28.8705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2697, 36.1523, 16.1474 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, 136, 98)` looks like.

```
.text, #text, p{  
    color:rgb(235, 136, 98)  
}
```

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, 136, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 136, 98) }
```

Border

The CSS property to change the border of an element to XYZ 45.2697, 36.1523, 16.1474 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, 136, 98) }
```


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

```
.border{ border-color:rgb(235, 136, 98) }
```

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

Here you see how a box with a 4 pixel rgb(235, 136, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 136, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 136, 98);  
box-shadow:4px 4px 4px 4px rgb(235, 136,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2697, 36.1523, 16.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 136, 98) }
```

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

```
.background{ background-color: rgb(235,  
136, 98) }
```

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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