

Converting Colors

XYZ(45.5311, 35.6828, 21.6588)

Have a look what the booklet for
XYZ(45.5311, 35.6828, 21.6588)
contains.

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Color

**XYZ(45.7268, 35.8506,
21.6493)**

Conversions

Conversions Part 1

Format	Color
Hex	EA8676
RGB	234, 134, 118
RGB Percent	92%, 53%, 46%
CMY	0.0824, 0.4745, 0.5373
CMYK	0.00, 0.43, 0.50, 0.08
HSL	8°, 73%, 69%
HSV	8°, 50%, 92%
XYZ	45.7268, 35.8506, 21.6493
YIQ	162.0760, 64.7360, 16.2240

Conversions

Conversions Part 2

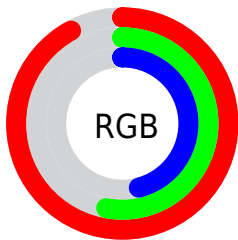
Format	Color
R_{YB}	234, 137, 118
Decimal	15369846
CIE _{Lab}	66.41, 36.59, 25.35
CIE _{LCh}	66, 44.510, 34.712
Yxy	35.8506, 0.4430, 0.3473
Android (android.graphics.Color)	4293559926 (0xFFEA8676)
YUV	162.0760, -21.7295, 63.0773
Hunter-Lab	59.8754, 31.5385, 20.4751

Details

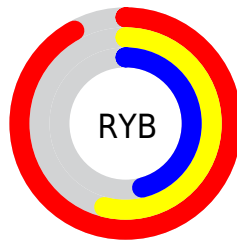
The XYZ color **45.7268, 35.8506, 21.6493** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **47.3925, 59.9319, 86.9119**, and the grayscale version is **34.4565, 36.2510, 39.4773**.

A 20% lighter version of the original color is **66.4789, 60.1287, 46.1324**, and **21.7707, 15.5782, 7.4897** is the 20% darker color. If you saturate the color by 10%, you get **41.9778, 30.3089, 14.3694**, and if you desaturate by 10%, it is **50.3542, 42.5974, 30.9242**.

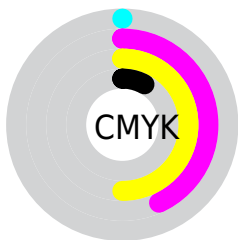
Distribution



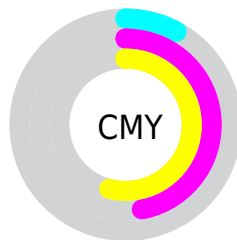
- Red (92%)
- Green (53%)
- Blue (46%)



- Red (92%)
- Yellow (54%)
- Blue (46%)



- Cyan (0%)
- Magenta (43%)
- Yellow (50%)
- Black (8%)





- Cyan (8%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7268, 35.8506, 21.6493 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 45.7268, 35.8506, 21.6493 by changing the saturation by 10% instead.


 45.7268, 35.8506,
21.6493


 45.7268, 35.8506,
21.6493


360.4436,
328.3071, 273.6028


 32.2340, 24.3188,
13.4036


 83.0404, 68.8014,
47.0604

 21.6967, 15.5703,
7.5731


 107.5918, 90.9892,
65.0629

 13.7496, 9.2206,
3.7392


 136.5602,
117.4979, 87.1547

 8.0272, 4.8854,
1.4834

170.3109,
148.7117, 113.7544

 4.1643, 2.1802,
0.2055

209.2092,
185.0152, 145.2805

 1.7955, 0.7091,
0.0000

253.6205,

 0.5150, 0.0000,

226.7926, 182.1516

0.0000

303.9102,
274.4285, 224.7862

■ 0.0000, 0.0000,
0.0000

■ 45.7268, 35.8506,
21.6493

■ 45.7268, 35.8506,
21.6493

■ 41.9778, 30.3089,
14.3694

■ 50.3542, 42.5974,
30.9242

■ 39.0483, 25.8957,
8.9354

■ 55.9086, 50.6089,
42.3242

■ 36.8761, 22.5343,
5.1808


■ 62.4382, 59.9475,
55.9708


■ 35.3885, 20.1356,
2.9076

■ 69.9869, 70.6697,
71.9757

■ 34.4851, 18.5907,
1.7995

■ 78.5962, 82.8287,
90.4430

 34.4559, 18.5410,
1.7627

 87.7416, 96.2324,
108.5580

Harmonies

Analogous

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



48.5022, 35.8506, 36.0983



45.7268, 35.8506, 21.6493



39.8450, 35.8506, 14.3731

Triad

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



45.7268, 35.8506, 21.6493



23.7554, 35.8506, 25.3676



35.1381, 35.8506, 88.2010

Complementary

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



45.7268, 35.8506, 21.6493



47.3925, 59.9319, 86.9119

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.



28.8907, 35.8506, 82.4890



45.7268, 35.8506, 21.6493



22.8364, 35.8506, 42.1272

Square

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



45.7268, 35.8506, 21.6493



27.2885, 35.8506, 15.9776



24.5924, 35.8506, 63.8749



41.9024, 35.8506, 77.6249

Rectangle

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



45.7268, 35.8506, 21.6493



35.2691, 35.8506, 12.7154



24.5924, 35.8506, 63.8749



32.9080, 35.8506, 88.1457

Sweetspot

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



45.7277, 35.8524, 21.6500



79.8605, 78.5140, 76.4209



53.1350, 35.5394, 70.7554



16.6865, 16.2267, 15.4962



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.



45.7277, 35.8524, 21.6500



51.1395, 37.0163, 17.6932



55.9345, 56.2660, 25.0522



15.2331, 15.3891, 15.6863



19.4150, 10.5243, 1.0081



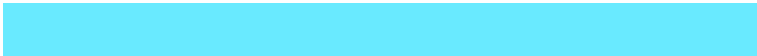
1.5775, 0.9323, 0.0968

Inverse Universe

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



47.3925, 59.9319, 86.9119



53.3144, 69.1790, 105.1507



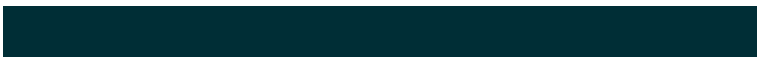
34.9862, 35.1193, 82.7764



15.3302, 16.7468, 19.3467



20.2456, 27.1382, 47.9141



1.6386, 2.2287, 3.7787

Previews

White Background



This preview shows how the XYZ color 45.7268, 35.8506, 21.6493 looks on a white background.

Color Contrast Check

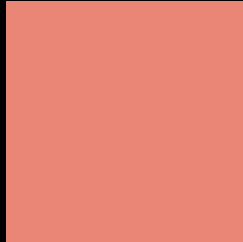
Large Text (above 18pt) WCAG AA × Fail

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 45.7268, 35.8506, 21.6493 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 45.7268, 35.8506, 21.6493

Background



This preview shows how black text looks on a background with the XYZ color 45.7268, 35.8506, 21.6493.



This preview shows how white text looks on a background with the XYZ color 45.7268, 35.8506,

21.6493.

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

45.7268, 35.8506, 21.6493

Protanopia

33.9629, 36.2230, 26.3208

Deuteranopia

36.7509, 35.9951, 20.9303



Tritanopia

47.4420, 35.9589, 29.2512

Trichromacy



Original Color

45.7268, 35.8506, 21.6493

Protanomaly

37.4998, 35.5649, 24.6269

Deuteranomaly

39.5407, 35.5151, 20.9907

Tritanomaly

46.6771, 35.8306, 26.2856

Monochromacy



Original Color

45.7268, 35.8506, 21.6493

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.1556, 35.2232, 32.0346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7268, 35.8506, 21.6493 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(234, 134, 118)` looks like.

```
.text, #text, p{  
    color:rgb(234, 134, 118)  
}
```

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(234, 134, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 134, 118) }
```

Border

The CSS property to change the border of an element to XYZ 45.7268, 35.8506, 21.6493 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(234, 134, 118) }
```


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

```
.border{ border-color:rgb(234, 134, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 134, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 134, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 134, 118);  
box-shadow:4px 4px 4px 4px rgb(234, 134,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7268, 35.8506, 21.6493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 134, 118) }
```

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

```
.background{ background-color: rgb(234,  
134, 118) }
```

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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