

Converting Colors

XYZ(45.0845, 35.6916, 20.5280)

Have a look what the booklet for
XYZ(45.0845, 35.6916, 20.5280)
contains.

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Color

**XYZ(44.9799, 35.6987,
20.4394)**

Conversions

Conversions Part 1

Format	Color
Hex	E88772
RGB	232, 135, 114
RGB Percent	91%, 53%, 45%
CMY	0.0902, 0.4706, 0.5529
CMYK	0.00, 0.42, 0.51, 0.09
HSL	11°, 72%, 68%
HSV	11°, 51%, 91%
XYZ	44.9799, 35.6987, 20.4394
YIQ	161.6090, 64.5530, 14.0330

Conversions

Conversions Part 2

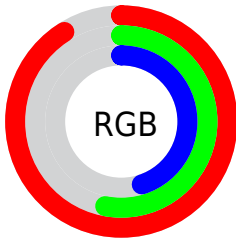
Format	Color
R _Y B	232, 140, 114
Decimal	15239026
CIE Lab	66.29, 34.95, 27.36
CIE LCh	66, 44.383, 38.060
Yxy	35.6987, 0.4448, 0.3530
Android (android.graphics.Color)	4293429106 (0xFFE88772)
YUV	161.6090, -23.4712, 61.7329
Hunter-Lab	59.7484, 29.8190, 21.5413

Details

The XYZ color **44.9799, 35.6987, 20.4394** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **44.7976, 55.9890, 84.7893**, and the grayscale version is **34.2459, 36.0293, 39.2359**.

A 20% lighter version of the original color is **66.3205, 60.4084, 44.2409**, and **21.3102, 15.4641, 7.0160** is the 20% darker color. If you saturate the color by 10%, you get **41.3964, 30.3839, 13.5355**, and if you desaturate by 10%, it is **49.3766, 42.1042, 29.2671**.

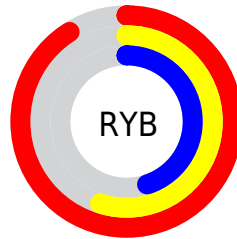
Distribution



Red (91%)

Green (53%)

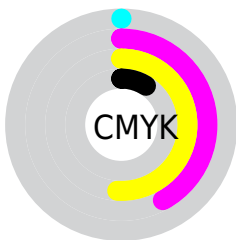
Blue (45%)



Red (91%)

Yellow (55%)

Blue (45%)

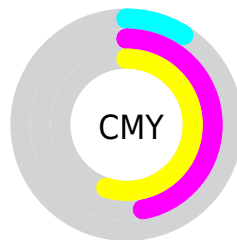


Cyan (0%)

Magenta (42%)

Yellow (51%)

Black (9%)



Cyan (9%)


Magenta (47%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9799, 35.6987, 20.4394 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 44.9799, 35.6987, 20.4394 by changing the saturation by 10% instead.


 44.9799, 35.6987,
20.4394


 44.9799, 35.6987,
20.4394


357.4772,
327.6417, 266.9665

 31.6428, 24.2016,
12.5276


 81.9275, 68.5668,
45.0213


 21.2430, 15.4832,
6.9772


 106.2687, 90.7065,
62.5284

 13.4152, 9.1592,
3.3696


 135.0087,
117.1626, 84.0711

 7.7941, 4.8452,
1.2863

 168.5128,
148.3194, 110.0679

 4.0142, 2.1567,
0.0505

207.1463,
184.5613, 140.9373

 1.7101, 0.6962,
0.0000

251.2746,

 0.4626, 0.0000,

226.2727, 177.0978

0.0000

301.2632,
273.8381, 218.9680

■ 0.0000, 0.0000,
0.0000

■ 44.9799, 35.6987,
20.4394

■ 44.9799, 35.6987,
20.4394

■ 41.3964, 30.3839,
13.5355

■ 49.3766, 42.1042,
29.2671

■ 38.5722, 26.0931,
8.4087

■ 54.6306, 49.6513,
40.1462

■ 36.4507, 22.7606,
4.8947

■ 60.7857, 58.3942,
53.1958

■ 34.9657, 20.3106,
2.7967

■ 67.8822, 68.3821,
68.5252

■ 34.0819, 18.7624,
1.8252

■ 75.9577, 79.6612,
86.2363

■ 85.0478, 92.2757,
106.4248

■ 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



48.1690, 35.6987, 33.9761



44.9799, 35.6987, 20.4394



38.9155, 35.6987, 13.9019

Triad

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



44.9799, 35.6987, 20.4394



23.4340, 35.6987, 26.7713



35.7480, 35.6987, 87.3301

Complementary

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



44.9799, 35.6987, 20.4394



44.7976, 55.9890, 84.7893

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.



29.3905, 35.6987, 83.4745



44.9799, 35.6987, 20.4394



22.8171, 35.6987, 44.2123

Square

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



44.9799, 35.6987, 20.4394



26.6683, 35.6987, 16.6416



24.8573, 35.6987, 65.9743



42.4043, 35.6987, 75.2469

Rectangle

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



44.9799, 35.6987, 20.4394



34.3635, 35.6987, 12.6227



24.8573, 35.6987, 65.9743



33.5012, 35.6987, 87.9137

Sweetspot

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



44.9808, 35.7005, 20.4401



80.2692, 79.3314, 76.5571



51.2217, 33.9609, 66.3632



16.7836, 16.4209, 15.5286



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.



44.9808, 35.7005, 20.4401



51.1213, 37.3846, 16.4391



55.3122, 56.3633, 23.8839



14.5834, 14.7807, 14.9888



18.9855, 10.5452, 1.0348



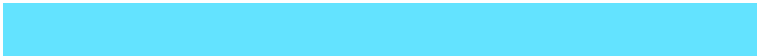
1.4638, 0.9009, 0.0967

Inverse Universe

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



44.7976, 55.9890, 84.7893



50.7986, 65.0056, 104.4777



32.9509, 32.2956, 80.8404



14.5778, 15.8769, 18.4406



18.4770, 24.0161, 46.0449



1.4227, 1.8894, 3.4217

Previews

White Background



This preview shows how the XYZ color 44.9799, 35.6987, 20.4394 looks on a white background.

Color Contrast Check

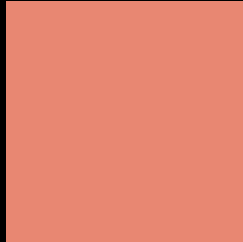
Large Text (above 18pt) WCAG AA × Fail

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 44.9799, 35.6987, 20.4394 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 44.9799, 35.6987, 20.4394

Background



This preview shows how black text looks on a background with the XYZ color 44.9799, 35.6987, 20.4394.



This preview shows how white text looks on a background with the XYZ color 44.9799, 35.6987,

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

44.9799, 35.6987, 20.4394

Protanopia

33.5240, 35.7668, 24.8754

Deuteranopia

36.5281, 35.9059, 19.7571



Tritanopia

46.8557, 35.6481, 29.6105

Trichromacy



Original Color

44.9799, 35.6987, 20.4394

Protanomaly

36.9892, 35.3309, 23.2824

Deuteranomaly

39.1913, 35.5929, 19.8434

Tritanomaly

45.9523, 35.4649, 25.8962

Monochromacy



Original Color

44.9799, 35.6987, 20.4394

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

36.8326, 35.0656, 31.6151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9799, 35.6987, 20.4394 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, 135, 114)` looks like.

```
.text, #text, p{  
    color:rgb(232, 135, 114)  
}
```

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, 135, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 135, 114) }
```

Border

The CSS property to change the border of an element to XYZ 44.9799, 35.6987, 20.4394 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, 135, 114) }
```


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

```
.border{ border-color:rgb(232, 135, 114) }
```

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

Here you see how a box with a 4 pixel rgb(232, 135, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 135, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 135, 114);  
box-shadow:4px 4px 4px 4px rgb(232, 135,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9799, 35.6987, 20.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 135, 114) }
```

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

```
.background{ background-color: rgb(232,  
135, 114) }
```

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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