

Converting Colors

XYZ(45.8726, 33.1686, 24.4065)

Have a look what the booklet for
XYZ(45.8726, 33.1686, 24.4065)
contains.

| | |
|--|----|
| XYZ(45.8726, 33.1686, 24.4065) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(45.8726, 33.1686,
24.4065)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EE7880 |
| RGB | 238, 120, 128 |
| RGB Percent | 93%, 47%, 50% |
| CMY | 0.0667, 0.5294, 0.4980 |
| CMYK | 0.00, 0.50, 0.46, 0.07 |
| HSL | 356°, 78%, 70% |
| HSV | 356°, 50%, 93% |
| XYZ | 45.8726, 33.1686, 24.4065 |
| YIQ | 156.1940, 67.7600, 27.5040 |

Conversions

Conversions Part 2

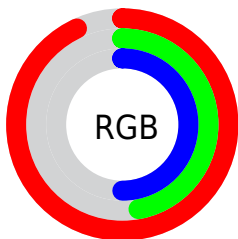
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 238, 120, 128 |
| Decimal | 15628416 |
| CIE Lab | 64.30, 46.09, 16.95 |
| CIE LCh | 64, 49.111, 20.193 |
| Yxy | 33.1686, 0.4434, 0.3206 |
| Android (android.graphics.Color) | 4293818496 (0xFFEE7880) |
| YUV | 156.1940, -13.8996, 71.7439 |
| Hunter-Lab | 57.5922, 41.3902, 15.1885 |

Details

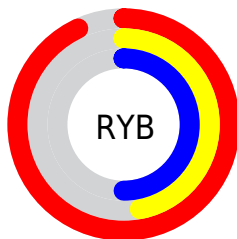
The XYZ color **45.8726, 33.1686, 24.4065** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **52.6049, 70.8559, 85.7714**, and the grayscale version is **31.7265, 33.3787, 36.3494**.

A 20% lighter version of the original color is **64.9105, 55.2561, 50.9604**, and **21.7785, 14.0438, 8.9600** is the 20% darker color. If you saturate the color by 10%, you get **42.0534, 27.6174, 16.6991**, and if you desaturate by 10%, it is **50.7241, 40.2734, 34.0339**.

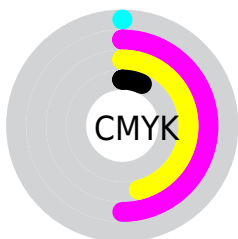
Distribution



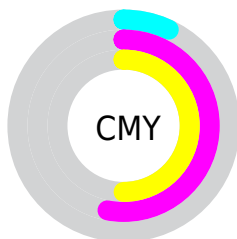
- Red (93%)
- Green (47%)
- Blue (50%)



- Red (93%)
- Yellow (47%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (46%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8726, 33.1686, 24.4065 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 45.8726, 33.1686, 24.4065 by changing the saturation by 10% instead.


 45.8726, 33.1686,
24.4065


 45.8726, 33.1686,
24.4065


361.0208,
316.4088, 288.2217

 32.3495, 22.2556,
15.4205


 83.2573, 64.6387,
51.6449

 21.7854, 14.0449,
8.9651


 107.8497, 85.9646,
70.7343

 13.8150, 8.1519,
4.6219


 136.8625,
111.5302, 94.0285

 8.0730, 4.1923,
1.9724

170.6611,
141.7200, 121.9462

 4.1939, 1.7817,
0.5382

209.6109,
176.9184, 154.9058

 1.8124, 0.4757,
0.0000

254.0772,

 0.5251, 0.0000,

217.5097, 193.3259

0.0000

304.4253,
263.8784, 237.6250

■ 0.0000, 0.0000,
0.0000

■ 45.8726, 33.1686,
24.4065

■ 45.8726, 33.1686,
24.4065

■ 42.0534, 27.6174,
16.6991

■ 50.7241, 40.2734,
34.0339

■ 39.1891, 23.4989,
10.7811

■ 56.6726, 49.0306,
45.6963

■ 37.1959, 20.6827,
6.5087

■ 63.7805, 59.5370,
59.5017

■ 35.9736, 19.0123,
3.7150

■ 72.1050, 71.8804,
75.5501

■ 35.3724, 18.2396,
2.1892

■ 81.6993, 86.1427,
93.9352

■ 35.3542, 18.2148,
2.1475

■ 89.0697, 96.9171,
108.6201

Harmonies

Analogous

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



46.6847, 33.1686, 43.0649



45.8726, 33.1686, 24.4065



40.9213, 33.1686, 13.9050

Triad

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



45.8726, 33.1686, 24.4065



22.2994, 33.1686, 16.6745



29.2947, 33.1686, 88.7676

Complementary

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



45.8726, 33.1686, 24.4065



52.6049, 70.8559, 85.7714

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.



23.6911, 33.1686, 74.4165



45.8726, 33.1686, 24.4065



20.0647, 33.1686, 29.9561

Square

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



45.8726, 33.1686, 24.4065



27.1166, 33.1686, 10.7201



20.5335, 33.1686, 51.0724



36.3887, 33.1686, 85.5283

Rectangle

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



45.8726, 33.1686, 24.4065



36.2953, 33.1686, 10.6808



20.5335, 33.1686, 51.0724



27.1935, 33.1686, 85.6857

Sweetspot

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



45.8734, 33.1703, 24.4071



78.8196, 75.8894, 77.7475



54.1978, 36.1290, 85.0056



16.4399, 15.6050, 15.8098



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.



45.8734, 33.1703, 24.4071



49.3256, 32.5036, 19.8161



52.8701, 47.9728, 24.2448



15.8162, 15.7762, 16.5885



19.7405, 10.1686, 1.2843



1.6573, 0.8520, 0.1862

Inverse Universe

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



45.8734, 33.1703, 24.4071



49.3256, 32.5036, 19.8161



41.3417, 46.4914, 87.6834



15.8162, 15.7762, 16.5885



19.7405, 10.1686, 1.2843



1.6573, 0.8520, 0.1862

Previews

White Background



This preview shows how the XYZ color 45.8726, 33.1686, 24.4065 looks on a white background.

Color Contrast Check

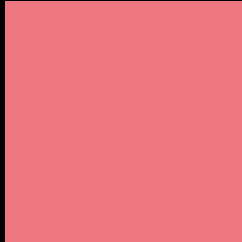
Large Text (above 18pt) WCAG AA × Fail

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 45.8726, 33.1686, 24.4065 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 45.8726, 33.1686, 24.4065

Background



This preview shows how black text looks on a background with the XYZ color 45.8726, 33.1686, 24.4065.



This preview shows how white text looks on a background with the XYZ color 45.8726, 33.1686,

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

45.8726, 33.1686, 24.4065

Protanopia

31.9771, 33.5336, 31.9814

Deuteranopia

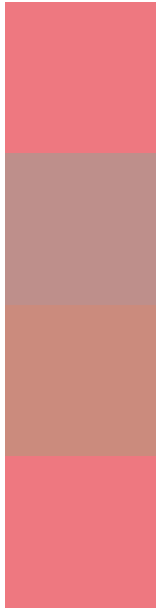
34.0099, 33.3100, 23.3759



Tritanopia

45.8726, 33.1686, 24.4065

Trichromacy



Original Color

45.8726, 33.1686, 24.4065

Protanomaly

35.7179, 32.4562, 28.8082

Deuteranomaly

37.5629, 32.6424, 23.7229

Tritanomaly

45.8726, 33.1686, 24.4065

Monochromacy



Original Color

45.8726, 33.1686, 24.4065

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.2605, 32.1593, 31.5431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8726, 33.1686, 24.4065 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(238, 120, 128)` looks like.

```
.text, #text, p{  
  color:rgb(238, 120, 128)  
}
```

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(238, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 120, 128) }
```

Border

The CSS property to change the border of an element to XYZ 45.8726, 33.1686, 24.4065 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(238, 120, 128) }
```


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

```
.border{ border-color:rgb(238, 120, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 120, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(238, 120,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8726, 33.1686, 24.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 120, 128) }
```

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

```
.background{ background-color: rgb(238,  
120, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor