

Converting Colors

XYZ(46.7540, 35.9337, 24.6088)

Have a look what the booklet for
XYZ(46.7540, 35.9337, 24.6088)
contains.

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Color

**XYZ(46.6741, 35.8677,
24.5418)**

Conversions

Conversions Part 1

Format	Color
Hex	EC847F
RGB	236, 132, 127
RGB Percent	93%, 52%, 50%
CMY	0.0745, 0.4823, 0.5020
CMYK	0.00, 0.44, 0.46, 0.07
HSL	3°, 74%, 71%
HSV	3°, 46%, 93%
XYZ	46.6741, 35.8677, 24.5418
YIQ	162.5260, 63.5890, 20.4930

Conversions

Conversions Part 2

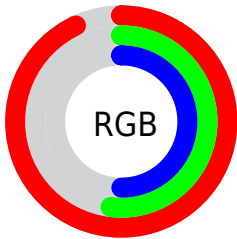
Format	Color
R_{YB}	236, 132, 127
Decimal	15500415
CIE Lab	66.42, 39.22, 20.39
CIE LCh	66, 44.200, 27.465
Yxy	35.8677, 0.4359, 0.3350
Android (android.graphics.Color)	4293690495 (0xFFEC847F)
YUV	162.5260, -17.5143, 64.4367
Hunter-Lab	59.8896, 34.3044, 17.6267

Details

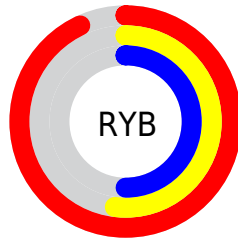
The XYZ color **46.6741, 35.8677, 24.5418** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **52.4670, 67.7166, 89.6620**, and the grayscale version is **34.6493, 36.4537, 39.6981**.

A 20% lighter version of the original color is **67.2485, 60.0959, 51.2353**, and **22.3753, 15.6345, 9.0462** is the 20% darker color. If you saturate the color by 10%, you get **42.5815, 29.8624, 16.4575**, and if you desaturate by 10%, it is **51.7876, 43.3384, 34.7442**.

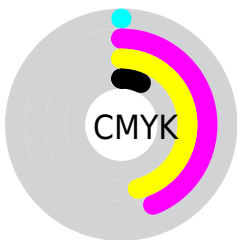
Distribution



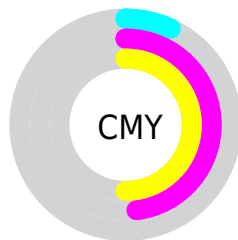
- Red (93%)
- Green (52%)
- Blue (50%)



- Red (93%)
- Yellow (52%)
- Blue (50%)



- Cyan (0%)
- Magenta (44%)
- Yellow (46%)
- Black (7%)




- Cyan (7%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6741, 35.8677, 24.5418 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 46.6741, 35.8677, 24.5418 by changing the saturation by 10% instead.


 46.6741, 35.8677,
24.5418


 46.6741, 35.8677,
24.5418


364.1828,
328.3819, 288.9226

 32.9850, 24.3320,
15.5201


 84.4487, 68.8278,
51.8678

 22.2741, 15.5801,
9.0346

 109.2648, 91.0211,
71.0091

 14.1762, 9.2275,
4.6666


 138.5206,
117.5356, 94.3608

 8.3258, 4.8899,
1.9977


172.5815,
148.7559, 122.3413

 4.3577, 2.1828,
0.5539

211.8128,
185.0662, 155.3692

 1.9064, 0.7106,
0.0000

256.5799,

 0.5806, 0.0000,

226.8511, 193.8630

0.0000

307.2481,
274.4949, 238.2413

■ 0.0000, 0.0000,
0.0000

■ 46.6741, 35.8677,
24.5418

■ 46.6741, 35.8677,
24.5418

■ 42.5815, 29.8624,
16.4575

■ 51.7876, 43.3384,
34.7442

■ 39.4388, 25.2213,
10.3405

■ 57.9814, 52.3564,
47.1970

■ 37.1701, 21.8390,
6.0235

■ 65.3135, 63.0037,
62.0243

■ 35.6869, 19.5922,
3.3105

■ 73.8369, 75.3551,
79.3403

■ 34.8815, 18.3329,
1.9586

■ 83.6013, 89.4809,
99.2522

■ 34.7098, 18.0685,
1.6582

■ 88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



48.4492, 35.8677, 40.6877



46.6741, 35.8677, 24.5418



41.4028, 35.8677, 15.6826

Triad

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



46.6741, 35.8677, 24.5418



24.4492, 35.8677, 22.5503



33.5315, 35.8677, 87.9464

Complementary

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



46.6741, 35.8677, 24.5418



52.4670, 67.7166, 89.6620

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.



27.6954, 35.8677, 78.5389



46.6741, 35.8677, 24.5418



22.8934, 35.8677, 37.4643

Square

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



46.6741, 35.8677, 24.5418



28.5526, 35.8677, 14.8216



24.0011, 35.8677, 58.3884



40.3033, 35.8677, 81.1346

Rectangle

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



46.6741, 35.8677, 24.5418



36.9281, 35.8677, 13.1878



24.0011, 35.8677, 58.3884



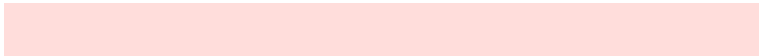
31.4034, 35.8677, 86.5231

Sweetspot

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



46.6750, 35.8695, 24.5425



79.9062, 78.0713, 78.0828



56.7991, 38.8589, 81.1240



16.6585, 16.0655, 15.8110



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.



46.6750, 35.8695, 24.5425



51.1808, 36.2133, 20.4367



55.7998, 54.1190, 27.5841



15.1209, 15.1649, 15.6489



19.1580, 10.0103, 0.9224



1.5240, 0.8253, 0.0790

Inverse Universe

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



52.4670, 67.7166, 89.6620



58.8269, 78.3269, 106.6258



39.7868, 42.3561, 85.4353



15.4549, 16.9963, 19.3883



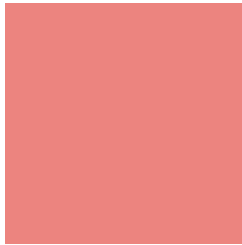
23.2385, 33.1239, 48.9117



1.8431, 2.6377, 3.8469

Previews

White Background



This preview shows how the XYZ color 46.6741, 35.8677, 24.5418 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 46.6741, 35.8677, 24.5418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

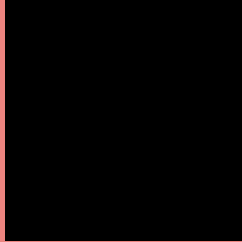
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6741, 35.8677, 24.5418

Background



This preview shows how black text looks on a background with the XYZ color 46.6741, 35.8677, 24.5418.



This preview shows how white text looks on a background with the XYZ color 46.6741, 35.8677,

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

46.6741, 35.8677, 24.5418

Protanopia

34.1302, 35.9589, 30.3412

Deuteranopia

36.7824, 35.9491, 23.7391



Tritanopia

47.6413, 35.8632, 29.2223

Trichromacy



Original Color

46.6741, 35.8677, 24.5418

Protanomaly

37.5984, 35.0596, 28.0781

Deuteranomaly

39.8039, 35.5881, 23.8401

Tritanomaly

47.4145, 35.9864, 27.3687

Monochromacy



Original Color

46.6741, 35.8677, 24.5418

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.9685, 35.6056, 33.7256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6741, 35.8677, 24.5418 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(236, 132, 127)` looks like.

```
.text, #text, p{  
    color:rgb(236, 132, 127)  
}
```

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(236, 132, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 132, 127) }
```

Border

The CSS property to change the border of an element to XYZ 46.6741, 35.8677, 24.5418 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(236, 132, 127) }
```


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

```
.border{ border-color:rgb(236, 132, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 132, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 132, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 132, 127);  
box-shadow:4px 4px 4px 4px rgb(236, 132,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6741, 35.8677, 24.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 132, 127) }
```

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

```
.background{ background-color: rgb(236,  
132, 127) }
```

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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