

# Converting Colors

XYZ(46.1101, 34.2188, 33.5486)

Have a look what the booklet for  
XYZ(46.1101, 34.2188, 33.5486)  
contains.

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# Color

**XYZ(46.0018, 34.1450,  
33.4442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E77E97
RGB	231, 126, 151
RGB Percent	91%, 49%, 59%
CMY	0.0941, 0.5059, 0.4078
CMYK	0.00, 0.45, 0.35, 0.09
HSL	346°, 69%, 70%
HSV	346°, 45%, 91%
XYZ	46.0018, 34.1450, 33.4442
YIQ	160.2450, 54.5550, 30.0350

# Conversions

## Conversions Part 2

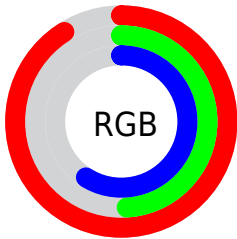
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 126, 151
Decimal	15171223
CIE Lab	65.08, 43.10, 4.85
CIE LCh	65, 43.368, 6.415
Yxy	34.1450, 0.4050, 0.3006
Android (android.graphics.Color)	4293361303 (0xFFE77E97)
YUV	160.2450, -4.5578, 62.0521
Hunter-Lab	58.4337, 38.2647, 6.9693

# Details

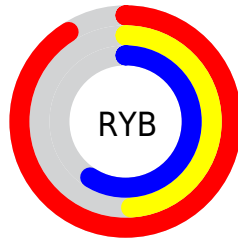
The XYZ color **46.0018, 34.1450, 33.4442** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **48.3224, 66.0446, 68.5973**, and the grayscale version is **33.5303, 35.2765, 38.4161**.

A 20% lighter version of the original color is **68.7833, 58.7155, 65.4656**, and **21.9826, 14.7019, 13.7357** is the 20% darker color. If you saturate the color by 10%, you get **42.0573, 28.3754, 25.5957**, and if you desaturate by 10%, it is **50.8435, 41.3672, 42.6453**.

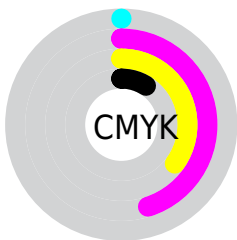
# Distribution



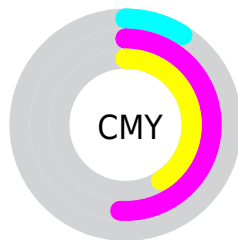
- Red (91%)
- Green (49%)
- Blue (59%)



- Red (91%)
- Yellow (49%)
- Blue (59%)



- Cyan (0%)
- Magenta (45%)
- Yellow (35%)
- Black (9%)




- Cyan (9%)
- Magenta (51%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0018, 34.1450, 33.4442 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 46.0018, 34.1450, 33.4442 by changing the saturation by 10% instead.





 46.0018, 34.1450,  
33.4442


 46.0018, 34.1450,  
33.4442


361.5317,  
320.7781, 332.3398


 32.4519, 23.0050,  
22.1931


 83.4495, 66.1591,  
66.1924

 21.8641, 14.5972,  
13.7991


 108.0781, 87.8020,  
88.5265

 13.8731, 8.5372,  
7.8440


 137.1302,  
113.7146, 115.3921

 8.1136, 4.4406,  
3.9089

170.9712,  
144.2815, 147.2076

 4.2201, 1.9229,  
1.5755

209.9665,  
179.8868, 184.3915

 1.8274, 0.5621,  
0.2733

254.4814,

 0.5341, 0.0000,

220.9151, 227.3625

0.0000

304.8814,  
267.7507, 276.5391

■ 0.0000, 0.0000,  
0.0000

■ 46.0018, 34.1450,  
33.4442

■ 46.0018, 34.1450,  
33.4442

■ 42.0573, 28.3754,  
25.5957

■ 50.8435, 41.3672,  
42.6453

■ 38.9503, 23.9542,  
19.0325

■ 56.6314, 50.1265,  
53.2580

■ 36.6177, 20.7719,  
13.6837

■ 63.4145, 60.5069,  
65.3400

■ 34.9860, 18.6987,  
9.4708

■ 71.2371, 72.5849,  
78.9452

■ 33.9663, 17.5760,  
6.3043

■ 80.1413, 86.4322,  
94.1248

■ 33.6444, 17.2647,  
5.1724

■ 86.7651, 95.7290,  
108.5123

# Harmonies

## Analogous

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



44.8338, 34.1450, 52.8122



46.0018, 34.1450, 33.4442



43.1800, 34.1450, 20.1877

# Triad

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



46.0018, 34.1450, 33.4442



25.7968, 34.1450, 15.7058



27.8557, 34.1450, 78.7614

# Complementary

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



46.0018, 34.1450, 33.4442



48.3224, 66.0446, 68.5973

# 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.



23.6695, 34.1450, 61.7347



46.0018, 34.1450, 33.4442



22.5924, 34.1450, 24.9810

# Square

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



46.0018, 34.1450, 33.4442



31.1224, 34.1450, 12.3040



21.8671, 34.1450, 41.1801



33.8226, 34.1450, 83.2543



# Rectangle

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



46.0018, 34.1450, 33.4442



39.6065, 34.1450, 15.1602



21.8671, 34.1450, 41.1801



26.2186, 34.1450, 74.0964

# Sweetspot

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



46.0027, 34.1467, 33.4448



80.6255, 77.6700, 83.9947



46.9939, 33.6367, 79.6172



16.8315, 15.9699, 17.2299



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.



46.0027, 34.1467, 33.4448



52.6984, 35.6070, 32.1693



47.9910, 41.0348, 25.1319



14.5169, 14.4240, 15.6565



18.9018, 9.6950, 3.1121



1.4325, 0.7307, 0.4179



# Inverse Universe

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



46.0027, 34.1467, 33.4448



52.6984, 35.6070, 32.1693



44.8010, 53.7496, 83.6149



14.5169, 14.4240, 15.6565



18.9018, 9.6950, 3.1121



1.4325, 0.7307, 0.4179



# Previews

## White Background



This preview shows how the XYZ color 46.0018, 34.1450, 33.4442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

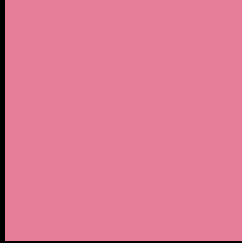
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0018, 34.1450, 33.4442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

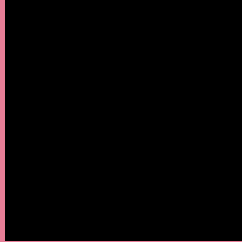
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 46.0018, 34.1450, 33.4442

## Background



This preview shows how black text looks on a background with the XYZ color 46.0018, 34.1450, 33.4442.



This preview shows how white text looks on a background with the XYZ color 46.0018, 34.1450,

33.4442.

# 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

46.0018, 34.1450, 33.4442

### Protanopia

33.3190, 34.2476, 42.3905

### Deuteranopia

34.9396, 34.3228, 31.9776



## Tritanopia

44.9397, 34.0963, 28.2574

# Trichromacy



## Original Color

46.0018, 34.1450, 33.4442

## Protanomaly

36.8081, 33.4807, 38.7048

## Deuteranomaly

38.1937, 33.6534, 32.4997

## Tritanomaly

45.1804, 33.9849, 30.1651

# Monochromacy



## Original Color

46.0018, 34.1450, 33.4442

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

36.9254, 34.0532, 36.5250

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0018, 34.1450, 33.4442 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(231, 126, 151)` looks like.

```
.text, #text, p{  
    color:rgb(231, 126, 151)  
}
```

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(231, 126, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 126, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0018, 34.1450, 33.4442 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(231, 126, 151) }
```



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

```
.border{ border-color:rgb(231, 126, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 126, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 126, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 126, 151);  
box-shadow:4px 4px 4px 4px rgb(231, 126,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0018, 34.1450, 33.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 126, 151) }
```

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

```
.background{ background-color: rgb(231,  
126, 151) }
```

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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