

Converting Colors

XYZ(46.7166, 33.7896, 47.8104)

Have a look what the booklet for
XYZ(46.7166, 33.7896, 47.8104)
contains.

XYZ(46.5995, 33.7591, 47.7761)	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(46.5995, 33.7591,
47.7761)**

Conversions

Conversions Part 1

Format	Color
Hex	E17CB5
RGB	225, 124, 181
RGB Percent	88%, 49%, 71%
CMY	0.1176, 0.5137, 0.2902
CMYK	0.00, 0.45, 0.20, 0.12
HSL	326°, 63%, 68%
HSV	326°, 45%, 88%
XYZ	46.5995, 33.7591, 47.7761
YIQ	160.6970, 41.8990, 39.1390

Conversions

Conversions Part 2

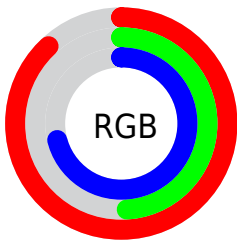
Format	Color
R_{YB}	225, 124, 181
Decimal	14777525
CIE _{Lab}	64.77, 46.11, -12.72
CIE _{LCh}	65, 47.833, 344.581
Yxy	33.7591, 0.3637, 0.2635
Android (android.graphics.Color)	4292967605 (0xFFE17CB5)
YUV	160.6970, 10.0094, 56.3937
Hunter-Lab	58.1026, 41.4813, -8.0807

Details

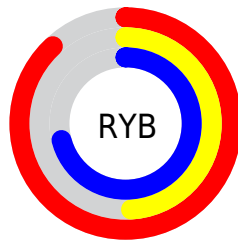
The XYZ color **46.5995, 33.7591, 47.7761** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.3069, 60.9637, 46.5861**, and the grayscale version is **33.6782, 35.4321, 38.5856**.

A 20% lighter version of the original color is **72.6462, 59.6146, 87.7987**, and **22.2980, 14.3898, 22.0244** is the 20% darker color. If you saturate the color by 10%, you get **43.1241, 28.3614, 41.8286**, and if you desaturate by 10%, it is **50.7909, 40.4748, 54.3122**.

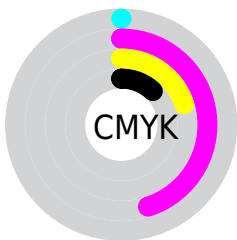
Distribution



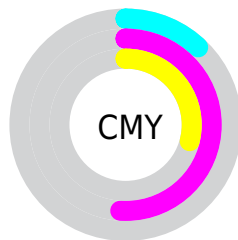
- Red (88%)
- Green (49%)
- Blue (71%)



- Red (88%)
- Yellow (49%)
- Blue (71%)



- Cyan (0%)
- Magenta (45%)
- Yellow (20%)
- Black (12%)





- Cyan (12%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5995, 33.7591, 47.7761 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 46.5995, 33.7591, 47.7761 by changing the saturation by 10% instead.


 46.5995, 33.7591,
47.7761


 46.5995, 33.7591,
47.7761


363.8893,
319.0565, 394.3870


 32.9258, 22.7086,
33.2909


 84.3379, 65.5589,
88.2330

 22.2286, 14.3785,
22.0764


 109.1332, 87.0769,
115.0418

 14.1425, 8.3844,
13.7142


 138.3665,
112.8530, 146.7955

 8.3022, 4.3419,
7.7857

172.4031,
143.2714, 183.9127

 4.3423, 1.8666,
3.8723

211.6083,
178.7165, 226.8119

 1.8976, 0.5282,
1.5556

256.3475,

 0.5754, 0.0000,

219.5729, 275.9117

0.2588

306.9860,
266.2247, 331.6305

■ 0.0000, 0.0000,
0.0000

■ 46.5995, 33.7591,
47.7761

■ 46.5995, 33.7591,
47.7761

■ 43.1241, 28.3614,
41.8286

■ 50.7909, 40.4748,
54.3122

■ 40.3159, 24.1877,
36.4452

■ 55.7369, 48.5844,
61.4556

■ 38.1246, 21.1390,
31.6022

■ 61.4767, 58.1640,
69.2264

■ 36.4905, 19.0987,
27.2720

■ 68.0459, 69.2825,
77.6431

■ 35.3411, 17.9244,
23.4226

■ 75.4778, 82.0045,
86.7231

■ 34.8807, 17.5393,
21.6172

■ 82.5124, 93.8080,
96.0526

■ 84.0071, 94.4059,
103.9236

■ 84.8615, 94.7477,
108.4232

Harmonies

Analogous

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



42.2941, 33.7591, 70.8741



46.5995, 33.7591, 47.7761



46.6638, 33.7591, 28.0234

Triad

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



46.5995, 33.7591, 47.7761



28.8714, 33.7591, 10.9363



23.5588, 33.7591, 70.2688

Complementary

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



46.5995, 33.7591, 47.7761



42.3069, 60.9637, 46.5861

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.



20.9140, 33.7591, 47.1415



46.5995, 33.7591, 47.7761



23.6704, 33.7591, 15.8418

Square

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



46.5995, 33.7591, 47.7761



35.7334, 33.7591, 11.0004



20.9517, 33.7591, 27.5791



28.6976, 33.7591, 86.6955

Rectangle

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



46.5995, 33.7591, 47.7761



44.2540, 33.7591, 19.1789



20.9517, 33.7591, 27.5791



22.3835, 33.7591, 62.7186

Sweetspot

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



46.6005, 33.7607, 47.7768



83.1326, 79.7474, 93.8843



36.8987, 28.1528, 74.7239



17.4017, 16.4094, 19.5811



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.



46.6005, 33.7607, 47.7768



57.4876, 37.9931, 55.9384



42.3390, 32.0561, 25.3361



14.0296, 13.8295, 15.9260



20.1594, 10.1308, 12.7712



1.4421, 0.7201, 1.1208

Inverse Universe

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



46.6005, 33.7607, 47.7768



57.4876, 37.9931, 55.9384



47.9284, 63.2123, 76.1885



14.0296, 13.8295, 15.9260



20.1594, 10.1308, 12.7712



1.4421, 0.7201, 1.1208

Previews

White Background



This preview shows how the XYZ color 46.5995, 33.7591, 47.7761 looks on a white background.

Color Contrast Check

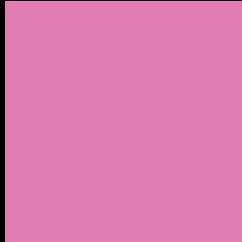
Large Text (above 18pt) WCAG AA × Fail

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 46.5995, 33.7591, 47.7761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

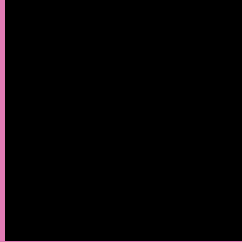
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5995, 33.7591, 47.7761

Background



This preview shows how black text looks on a background with the XYZ color 46.5995, 33.7591, 47.7761.



This preview shows how white text looks on a background with the XYZ color 46.5995, 33.7591,

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

46.5995, 33.7591, 47.7761

Protanopia

34.3450, 34.1085, 61.2733

Deuteranopia

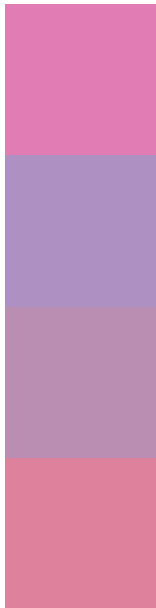
34.5375, 33.8096, 45.7799



Tritanopia

42.9525, 33.8277, 29.8567

Trichromacy



Original Color

46.5995, 33.7591, 47.7761

Protanomaly

37.2791, 32.8853, 56.0124

Deuteranomaly

37.9586, 32.9995, 46.4884

Tritanomaly

43.9752, 33.6304, 35.6261

Monochromacy



Original Color

46.5995, 33.7591, 47.7761

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.4250, 34.1973, 41.6740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5995, 33.7591, 47.7761 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(225, 124, 181)` looks like.

```
.text, #text, p{  
    color:rgb(225, 124, 181)  
}
```

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(225, 124, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 124, 181) }
```

Border

The CSS property to change the border of an element to XYZ 46.5995, 33.7591, 47.7761 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(225, 124, 181) }
```


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

```
.border{ border-color:rgb(225, 124, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 124, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 124, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 124, 181);  
box-shadow:4px 4px 4px 4px rgb(225, 124,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5995, 33.7591, 47.7761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 124, 181) }
```

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

```
.background{ background-color: rgb(225,  
124, 181) }
```

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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