

Converting Colors

XYZ(46.9961, 33.1980, 52.6254)

Have a look what the booklet for
XYZ(46.9961, 33.1980, 52.6254)
contains.

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Color

**XYZ(47.0621, 33.1582,
52.6349)**

Conversions

Conversions Part 1

Format	Color
Hex	E178BE
RGB	225, 120, 190
RGB Percent	88%, 47%, 75%
CMY	0.1176, 0.5294, 0.2549
CMYK	0.00, 0.47, 0.16, 0.12
HSL	320°, 64%, 68%
HSV	320°, 47%, 88%
XYZ	47.0621, 33.1582, 52.6349
YIQ	159.3750, 40.1100, 44.0300

Conversions

Conversions Part 2

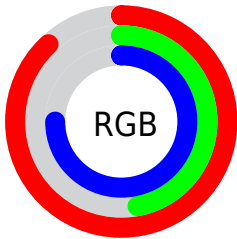
Format	Color
RYB	225, 120, 190
Decimal	14776510
CIELab	64.29, 49.49, -18.54
CIElCh	64, 52.847, 339.467
Yxy	33.1582, 0.3542, 0.2496
Android (android.graphics.Color)	4292966590 (0xFFE178BE)
YUV	159.3750, 15.0981, 57.5531
Hunter-Lab	57.5832, 45.1156, -13.8869

Details

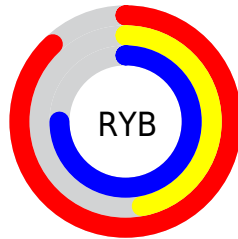
The XYZ color **47.0621, 33.1582, 52.6349** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.5889, 60.2112, 40.4957**, and the grayscale version is **33.0474, 34.7685, 37.8629**.

A 20% lighter version of the original color is **73.2045, 58.5738, 94.6363**, and **22.6710, 14.1453, 25.2023** is the 20% darker color. If you saturate the color by 10%, you get **43.8685, 28.0490, 47.6294**, and if you desaturate by 10%, it is **50.9356, 39.5588, 58.0759**.

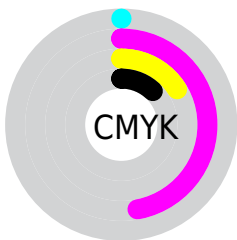
Distribution



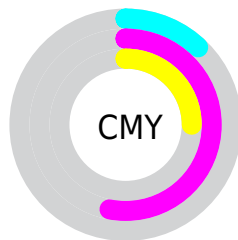
- Red (88%)
- Green (47%)
- Blue (75%)



- Red (88%)
- Yellow (47%)
- Blue (75%)



- Cyan (0%)
- Magenta (47%)
- Yellow (16%)
- Black (12%)





- Cyan (12%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0621, 33.1582, 52.6349 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 47.0621, 33.1582, 52.6349 by changing the saturation by 10% instead.


 47.0621, 33.1582,
52.6349

 47.0621, 33.1582,
52.6349


365.7071,
316.3620, 413.9093


 33.2929, 22.2477,
37.1257


 85.0245, 64.6224,
95.5030

 22.5112, 14.0390,
25.0083


 109.9484, 85.9449,
123.6990

 14.3517, 8.1478,
15.8641


 139.3212,
111.5069, 156.9609

 8.4490, 4.1897,
9.2747

173.5084,
141.6926, 195.7074

 4.4378, 1.7802,
4.8216

212.8752,
176.8866, 240.3569

 1.9527, 0.4748,
2.0860

257.7870,

 0.6072, 0.0000,

217.4733, 291.3280

0.6074

308.6092,
263.8369, 349.0393

■ 0.0000, 0.0000,
0.0000

■ 47.0621, 33.1582,
52.6349

■ 47.0621, 33.1582,
52.6349

■ 43.8685, 28.0490,
47.6294

■ 50.9356, 39.5588,
58.0759

■ 41.3059, 24.1358,
43.0390

■ 55.5275, 47.3280,
63.9672

■ 39.3236, 21.3176,
38.8439


■ 60.8766, 56.5423,
70.3251


■ 37.8611, 19.4745,
35.0207


■ 67.0183, 67.2714,
77.1642


■ 36.8415, 18.4540,
31.5405


■ 73.9856, 79.5802,
84.4985

 36.5564, 18.2096,
30.4408

 81.8075, 93.5260,
92.3403

 82.9144, 93.9688,
98.1693

 84.0676, 94.4301,
104.2418

 84.8616, 94.7477,
108.4232

Harmonies

Analogous

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



41.6127, 33.1582, 78.3559



47.0621, 33.1582, 52.6349



48.0098, 33.1582, 29.7205

Triad

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



47.0621, 33.1582, 52.6349



29.2002, 33.1582, 8.7485



21.6324, 33.1582, 69.2802

Complementary

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



47.0621, 33.1582, 52.6349



40.5889, 60.2112, 40.4957

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.



19.3121, 33.1582, 43.3409



47.0621, 33.1582, 52.6349



23.2006, 33.1582, 12.6663

Square

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



47.0621, 33.1582, 52.6349



36.8559, 33.1582, 9.5754



19.8366, 33.1582, 23.4562



26.7183, 33.1582, 90.3186

Rectangle

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



47.0621, 33.1582, 52.6349



45.8312, 33.1582, 19.3439



19.8366, 33.1582, 23.4562



20.5429, 33.1582, 60.5033

Sweetspot

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



47.0631, 33.1598, 52.6356



82.8425, 78.5568, 95.6694



33.8263, 25.8396, 74.4395



17.3699, 16.1853, 20.0654



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.



47.0631, 33.1598, 52.6356



58.3674, 37.4170, 63.4325



42.3205, 31.2627, 27.6611



14.0906, 13.8539, 16.2474



21.1216, 10.5156, 17.8378



1.5051, 0.7453, 1.4524

Inverse Universe

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



47.0631, 33.1598, 52.6356



58.3674, 37.4170, 63.4325



45.9959, 62.3740, 68.9687



14.0906, 13.8539, 16.2474



21.1216, 10.5156, 17.8378



1.5051, 0.7453, 1.4524

Previews

White Background



This preview shows how the XYZ color 47.0621, 33.1582, 52.6349 looks on a white background.

Color Contrast Check

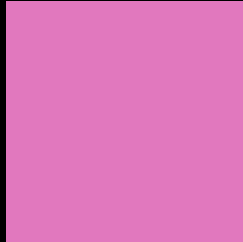
Large Text (above 18pt) WCAG AA × Fail

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 47.0621, 33.1582, 52.6349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

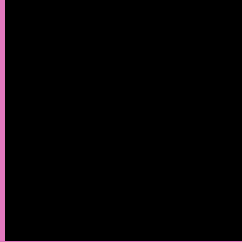
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0621, 33.1582, 52.6349

Background



This preview shows how black text looks on a background with the XYZ color 47.0621, 33.1582, 52.6349.



This preview shows how white text looks on a background with the XYZ color 47.0621, 33.1582,

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

47.0621, 33.1582, 52.6349

Protanopia

34.3026, 33.4208, 68.9329

Deuteranopia

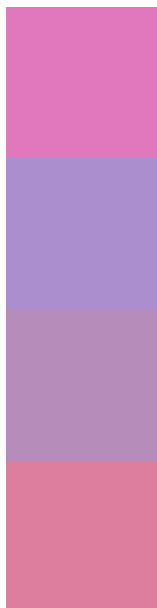
34.1435, 33.5123, 50.0164



Tritanopia

42.2315, 33.0744, 28.9691

Trichromacy



Original Color

47.0621, 33.1582, 52.6349

Protanomaly

37.3911, 32.3483, 62.6656

Deuteranomaly

37.6792, 32.5400, 50.7493

Tritanomaly

43.7566, 32.9199, 36.3957

Monochromacy



Original Color

47.0621, 33.1582, 52.6349

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.9095, 33.2204, 42.4970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0621, 33.1582, 52.6349 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, 120, 190)` looks like.

```
.text, #text, p{  
    color:rgb(225, 120, 190)  
}
```

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, 120, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 120, 190) }
```

Border

The CSS property to change the border of an element to XYZ 47.0621, 33.1582, 52.6349 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, 120, 190) }
```


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

```
.border{ border-color:rgb(225, 120, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 120, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 120, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 120, 190);  
box-shadow:4px 4px 4px 4px rgb(225, 120,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0621, 33.1582, 52.6349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 120, 190) }
```

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

```
.background{ background-color: rgb(225,  
120, 190) }
```

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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