

Converting Colors

XYZ(44.7512, 29.4758, 49.8708)

Have a look what the booklet for
XYZ(44.7512, 29.4758, 49.8708)
contains.

| | |
|--|----|
| XYZ(44.6550, 29.4956, 49.7940) | 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(44.6550, 29.4956,
49.7940)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E069BA |
| RGB | 224, 105, 186 |
| RGB Percent | 88%, 41%, 73% |
| CMY | 0.1216, 0.5882, 0.2706 |
| CMYK | 0.00, 0.53, 0.17, 0.12 |
| HSL | 319°, 66%, 65% |
| HSV | 319°, 53%, 88% |
| XYZ | 44.6550, 29.4956, 49.7940 |
| YIQ | 149.8150, 44.9230, 50.4190 |

Conversions

Conversions Part 2

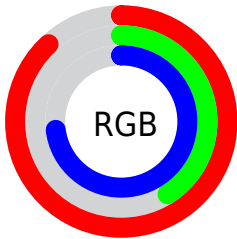
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 224, 105, 186 |
| Decimal | 14707130 |
| CIE _{Lab} | 61.22, 55.87, -20.96 |
| CIE _{LCh} | 61, 59.670, 339.439 |
| Yxy | 29.4956, 0.3603, 0.2380 |
| Android (android.graphics.Color) | 4292897210 (0xFFE069BA) |
| YUV | 149.8150, 17.8392, 65.0602 |
| Hunter-Lab | 54.3099, 51.7252, -16.3432 |

Details

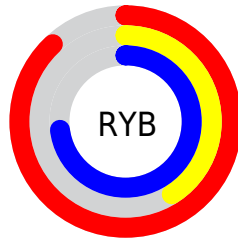
The XYZ color **44.6550, 29.4956, 49.7940** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **37.4407, 58.2988, 35.2686**, and the grayscale version is **28.8256, 30.3267, 33.0258**.

A 20% lighter version of the original color is **69.8378, 52.8124, 90.5174**, and **21.0578, 11.9971, 23.3961** is the 20% darker color. If you saturate the color by 10%, you get **41.9252, 25.2223, 45.2256**, and if you desaturate by 10%, it is **48.0255, 34.9884, 54.7644**.

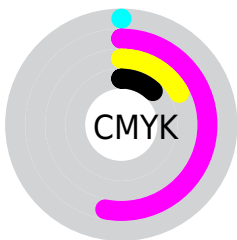
Distribution



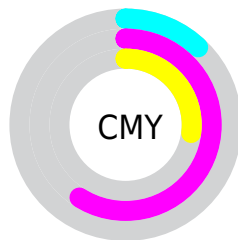
- Red (88%)
- Green (41%)
- Blue (73%)



- Red (88%)
- Yellow (41%)
- Blue (73%)



- Cyan (0%)
- Magenta (53%)
- Yellow (17%)
- Black (12%)





- Cyan (12%)
- Magenta (59%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6550, 29.4956, 49.7940 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 44.6550, 29.4956, 49.7940 by changing the saturation by 10% instead.


 44.6550, 29.4956,
49.7940


 44.6550, 29.4956,
49.7940

356.1817,
299.5462, 402.5718


 31.3859, 19.4561,
34.8797


 81.4427, 58.8636,
91.2627


 21.0461, 12.0003,
23.2874


 105.6920, 78.9608,
118.6543

 13.2704, 6.7439,
14.5986


 134.3321,
103.1794, 151.0420

 7.6933, 3.3024,
8.3947

 167.7284,
131.9037, 188.8444

 3.9495, 1.2916,
4.2571

206.2461,
165.5181, 232.4800

 1.6736, 0.1347,
1.7674

250.2506,

 0.4396, 0.0000,

204.4071, 282.3674

0.4063

300.1074,
248.9550, 338.9252

■ 0.0000, 0.0000,
0.0000

■ 44.6550, 29.4956,
49.7940

■ 44.6550, 29.4956,
49.7940

■ 41.9252, 25.2223,
45.2256

■ 48.0255, 34.9884,
54.7644

■ 39.7844, 22.0676,
41.0384

■ 52.0775, 41.7829,
60.1522

■ 38.1774, 19.9212,
37.2115

■ 56.8515, 49.9587,
65.9737

■ 37.0363, 18.6482,
33.7194

■ 62.3840, 59.5880,
72.2438

■ 36.4466, 18.1298,
31.4854

■ 68.7089, 70.7380,
78.9763

■ 75.8582, 83.4715,
86.1841

■ 81.6518, 93.4279,
93.1431

■ 82.7128, 93.8522,
98.7299

■ 83.8158, 94.2935,
104.5386

Harmonies

Analogous

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



38.7457, 29.4956, 78.3420



44.6550, 29.4956, 49.7940



45.6945, 29.4956, 25.5413

Triad

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



44.6550, 29.4956, 49.7940



25.6338, 29.4956, 5.5757



17.9277, 29.4956, 68.1005

Complementary

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



44.6550, 29.4956, 49.7940



37.4407, 58.2988, 35.2686

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.



15.6360, 29.4956, 39.7313



44.6550, 29.4956, 49.7940



19.5055, 29.4956, 8.9776

Square

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



44.6550, 29.4956, 49.7940



33.6706, 29.4956, 6.2774



16.1541, 29.4956, 19.2118



23.0656, 29.4956, 91.8894

Rectangle

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



44.6550, 29.4956, 49.7940



43.3230, 29.4956, 15.2233



16.1541, 29.4956, 19.2118



16.8469, 29.4956, 58.3594

Sweetspot

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



44.6559, 29.4970, 49.7946



81.3598, 75.8635, 94.3364



29.7806, 21.2981, 73.0630



17.0806, 15.6561, 19.8160



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.



44.6559, 29.4970, 49.7946



55.8154, 33.1859, 59.8906



39.6121, 27.4795, 23.2341



14.0990, 13.8573, 16.2917



21.2689, 10.5746, 18.6136



1.5145, 0.7491, 1.5020

Inverse Universe

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



44.6559, 29.4970, 49.7946



55.8154, 33.1859, 59.8906



43.1649, 60.5884, 65.4118



14.0990, 13.8573, 16.2917



21.2689, 10.5746, 18.6136



1.5145, 0.7491, 1.5020

Previews

White Background



This preview shows how the XYZ color 44.6550, 29.4956, 49.7940 looks on a white background.

Color Contrast Check

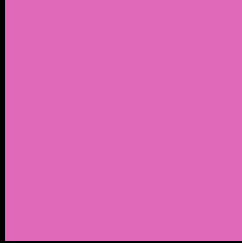
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.6550, 29.4956, 49.7940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

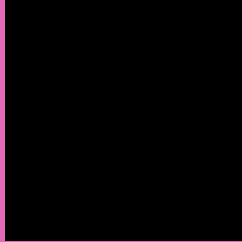
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.6550, 29.4956, 49.7940

Background



This preview shows how black text looks on a background with the XYZ color 44.6550, 29.4956, 49.7940.



This preview shows how white text looks on a background with the XYZ color 44.6550, 29.4956,

49.7940.

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

44.6550, 29.4956, 49.7940

Protanopia

31.2607, 29.9275, 69.7746

Deuteranopia

30.2947, 29.7085, 46.7854



Tritanopia

39.2226, 29.3946, 23.6851

Trichromacy



Original Color

44.6550, 29.4956, 49.7940



Protanomaly

33.9548, 28.2659, 62.0588



Deuteranomaly

34.1053, 28.4566, 47.9511



Tritanomaly

40.7656, 29.1640, 31.4976

Monochromacy



Original Color

44.6550, 29.4956, 49.7940



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

33.2674, 29.0416, 38.5025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6550, 29.4956, 49.7940 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(224, 105, 186)` looks like.

```
.text, #text, p{  
    color:rgb(224, 105, 186)  
}
```

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(224, 105, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 105, 186) }
```

Border

The CSS property to change the border of an element to XYZ 44.6550, 29.4956, 49.7940 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(224, 105, 186) }
```


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

```
.border{ border-color:rgb(224, 105, 186) }
```

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

Here you see how a box with a 4 pixel rgb(224, 105, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 105, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 105, 186);  
box-shadow:4px 4px 4px 4px rgb(224, 105,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6550, 29.4956, 49.7940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 105, 186) }
```

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

```
.background{ background-color: rgb(224,  
105, 186) }
```

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