

Converting Colors

XYZ(45.5869, 28.5288, 49.3211)

Have a look what the booklet for
XYZ(45.5869, 28.5288, 49.3211)
contains.

XYZ(45.5883, 28.5526, 49.5628)	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(45.5883, 28.5526,
49.5628)**

Conversions

Conversions Part 1

Format	Color
Hex	E65FBA
RGB	230, 95, 186
RGB Percent	90%, 37%, 73%
CMY	0.0980, 0.6274, 0.2706
CMYK	0.00, 0.59, 0.19, 0.10
HSL	320°, 73%, 64%
HSV	320°, 59%, 90%
XYZ	45.5883, 28.5526, 49.5628
YIQ	145.7390, 51.2490, 56.9210

Conversions

Conversions Part 2

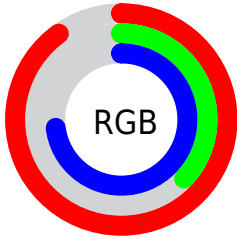
Format	Color
R _Y B	230, 95, 186
Decimal	15097786
CIE Lab	60.38, 62.14, -22.15
CIE LCh	60, 65.974, 340.381
Yxy	28.5526, 0.3685, 0.2308
Android (android.graphics.Color)	4293287866 (0xFFE65FBA)
YUV	145.7390, 19.8487, 73.8969
Hunter-Lab	53.4346, 58.7785, -17.5896

Details

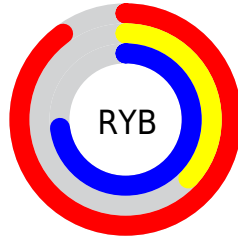
The XYZ color **45.5883, 28.5526, 49.5628** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **37.6778, 60.8916, 34.1963**, and the grayscale version is **27.1227, 28.5352, 31.0748**.

A 20% lighter version of the original color is **68.3336, 49.8040, 90.0160**, and **21.6003, 11.4954, 23.2707** is the 20% darker color. If you saturate the color by 10%, you get **43.0378, 24.6934, 44.8832**, and if you desaturate by 10%, it is **48.7939, 33.6542, 54.6676**.

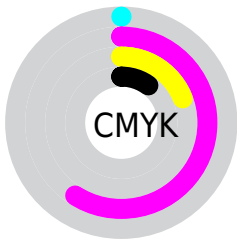
Distribution



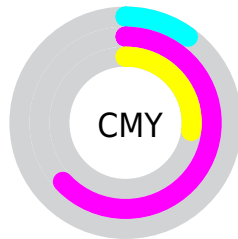
- Red (90%)
- Green (37%)
- Blue (73%)



- Red (90%)
- Yellow (37%)
- Blue (73%)



- Cyan (0%)
- Magenta (59%)
- Yellow (19%)
- Black (10%)





- Cyan (10%)
- Magenta (63%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5883, 28.5526, 49.5628 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 45.5883, 28.5526, 49.5628 by changing the saturation by 10% instead.


 45.5883, 28.5526,
49.5628

 45.5883, 28.5526,
49.5628

359.8947,
295.0981, 401.6397


 32.1243, 18.7426,
34.6974


 82.8342, 57.3655,
90.9164


 21.6125, 11.4845,
23.1482


 107.3467, 77.1372,
118.2416

 13.6874, 6.3937,
14.4966


 136.2729,
100.9983, 150.5573

 7.9838, 3.0859,
8.3242

 169.9780,
129.3331, 188.2818

 4.1363, 1.1767,
4.2124

208.8274,
162.5262, 231.8338

 1.7795, 0.0426,
1.7426

253.1864,

 0.5053, 0.0000,

200.9617, 281.6317

0.3897

303.4204,
245.0242, 338.0942

■ 0.0000, 0.0000,
0.0000

■ 45.5883, 28.5526,
49.5628

■ 45.5883, 28.5526,
49.5628

■ 43.0378, 24.6934,
44.8832

■ 48.7939, 33.6542,
54.6676

■ 41.0833, 21.9609,
40.6052

■ 52.7012, 40.0918,
60.2154

■ 39.6596, 20.2249,
36.7041

■ 57.3558, 47.9549,
66.2248

■ 38.6679, 19.2892,
33.1437

■ 62.7983, 57.3241,
72.7120

■ 38.5526, 19.1908,
32.6974

■ 69.0665, 68.2738,
79.6927

■ 76.1955, 80.8736,
87.1813

■ 83.8962, 94.5443,
95.0843

■ 85.0240, 94.9954,
101.0227

■ 86.1981, 95.4650,
107.2058

Harmonies

Analogous

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



39.1393, 28.5526, 81.9883



45.5883, 28.5526, 49.5628



46.5560, 28.5526, 23.4068

Triad

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



45.5883, 28.5526, 49.5628



24.3035, 28.5526, 4.0576



16.5116, 28.5526, 72.2458

Complementary

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



45.5883, 28.5526, 49.5628



37.6778, 60.8916, 34.1963

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.



14.0465, 28.5526, 40.2911



45.5883, 28.5526, 49.5628



17.8818, 28.5526, 7.3522

Square

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



45.5883, 28.5526, 49.5628



32.9928, 28.5526, 4.5796



14.4894, 28.5526, 17.8922



22.0211, 28.5526, 99.1320

Rectangle

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



45.5883, 28.5526, 49.5628



43.7852, 28.5526, 12.9403



14.4894, 28.5526, 17.8922



15.3573, 28.5526, 61.2111

Sweetspot

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



45.5892, 28.5540, 49.5633



79.7990, 73.2036, 92.3925



28.8166, 19.2813, 77.0663



16.6229, 14.8762, 19.2464



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.



45.5892, 28.5540, 49.5633



53.9164, 30.5210, 55.7642



40.1016, 26.3590, 20.6659



14.7848, 14.5311, 17.0673



21.8846, 10.8881, 18.8192



1.6594, 0.8215, 1.6131

Inverse Universe

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



45.5892, 28.5540, 49.5633



53.9164, 30.5210, 55.7642



44.0670, 63.4473, 67.8411



14.7848, 14.5311, 17.0673



21.8846, 10.8881, 18.8192



1.6594, 0.8215, 1.6131

Previews

White Background



This preview shows how the XYZ color 45.5883, 28.5526, 49.5628 looks on a white background.

Color Contrast Check

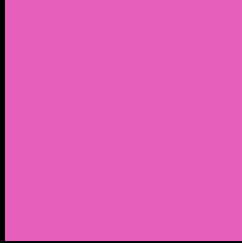
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5883, 28.5526, 49.5628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

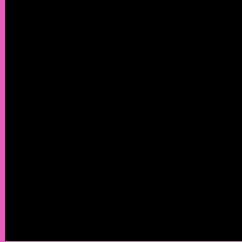
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.5883, 28.5526, 49.5628

Background



This preview shows how black text looks on a background with the XYZ color 45.5883, 28.5526, 49.5628.



This preview shows how white text looks on a background with the XYZ color 45.5883, 28.5526,

49.5628.

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

45.5883, 28.5526, 49.5628

Protanopia

30.6130, 28.8242, 73.7622

Deuteranopia

29.3599, 28.7886, 46.1288



Tritanopia

39.7547, 28.5481, 20.8678

Trichromacy



Original Color

45.5883, 28.5526, 49.5628



Protanomaly

33.3918, 26.9458, 64.4139



Deuteranomaly

33.4805, 27.3719, 47.2347



Tritanomaly

41.3735, 28.2551, 29.2597

Monochromacy



Original Color

45.5883, 28.5526, 49.5628



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

32.1539, 27.0991, 37.2542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5883, 28.5526, 49.5628 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(230, 95, 186)` looks like.

```
.text, #text, p{  
    color:rgb(230, 95, 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(230, 95, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 95, 186) }
```

Border

The CSS property to change the border of an element to XYZ 45.5883, 28.5526, 49.5628 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(230, 95, 186) }
```


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

```
.border{ border-color:rgb(230, 95, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 95, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 95, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 95, 186);  
box-shadow:4px 4px 4px 4px rgb(230, 95,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5883, 28.5526, 49.5628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 95, 186) }
```

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

```
.background{ background-color: rgb(230, 95,  
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](#).

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