

Converting Colors

XYZ(48.1655, 30.5888, 68.5848)

Have a look what the booklet for
XYZ(48.1655, 30.5888, 68.5848)
contains.

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Color

**XYZ(47.9854, 30.5057,
68.3248)**

Conversions

Conversions Part 1

Format	Color
Hex	E067D8
RGB	224, 103, 216
RGB Percent	88%, 40%, 85%
CMY	0.1216, 0.5961, 0.1529
CMYK	0.00, 0.54, 0.04, 0.12
HSL	304°, 66%, 64%
HSV	304°, 54%, 88%
XYZ	47.9854, 30.5057, 68.3248
YIQ	152.0610, 35.8430, 60.7950

Conversions

Conversions Part 2

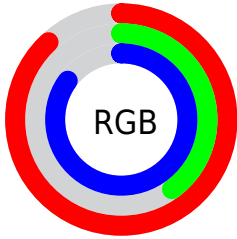
Format	Color
R _Y B	224, 103, 216
Decimal	14706648
CIE Lab	62.09, 61.55, -36.59
CIE LCh	62, 71.601, 329.267
Yxy	30.5057, 0.3268, 0.2078
Android (android.graphics.Color)	4292896728 (0xFFE067D8)
YUV	152.0610, 31.5219, 63.0905
Hunter-Lab	55.2320, 58.4244, -34.6824

Details

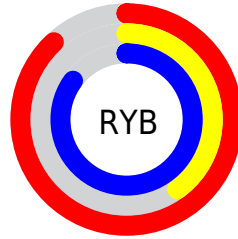
The XYZ color **47.9854, 30.5057, 68.3248** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.1198, 57.3438, 24.2583**, and the grayscale version is **29.7300, 31.2783, 34.0620**.

A 20% lighter version of the original color is **71.6881, 53.2763, 101.1127**, and **23.0973, 12.5570, 34.9246** is the 20% darker color. If you saturate the color by 10%, you get **45.8581, 26.5556, 66.6754**, and if you desaturate by 10%, it is **50.7132, 35.6526, 70.1834**.

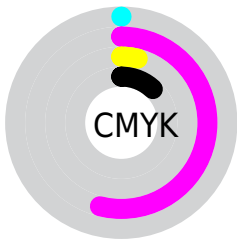
Distribution



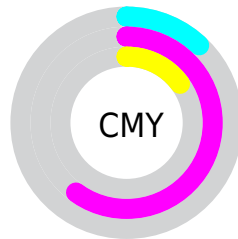
- Red (88%)
- Green (40%)
- Blue (85%)



- Red (88%)
- Yellow (40%)
- Blue (85%)



- Cyan (0%)
- Magenta (54%)
- Yellow (4%)
- Black (12%)



- Cyan (12%)
- Magenta (60%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9854, 30.5057, 68.3248 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 47.9854, 30.5057, 68.3248 by changing the saturation by 10% instead.

47.9854, 30.5057,
68.3248

47.9854, 30.5057,
68.3248

369.3178,
304.2546, 473.2752

34.0265, 20.2227,
49.6937

86.3925, 60.4610,
118.4753

23.0770, 12.5571,
34.8006

111.5714, 80.9021,
150.8317

14.7714, 7.1243,
23.2270

141.2211,
105.4981, 188.6003

8.7443, 3.5399,
14.5543

175.7068,
134.6333, 232.1997

4.6306, 1.4197,
8.3641

215.3940,
168.6922, 282.0483

2.0647, 0.2312,
4.2377

260.6480,

0.6699, 0.0000,

208.0591, 338.5648

1.7566

311.8342,
253.1184, 402.1675

■ 0.0000, 0.0000,
0.3991

■ 0.0000, 0.0000,
0.0000

■ 47.9854, 30.5057,
68.3248

■ 47.9854, 30.5057,
68.3248

■ 45.8581, 26.5556,
66.6754

■ 50.7132, 35.6526,
70.1834

■ 44.2794, 23.7004,
65.2171

■ 54.0817, 42.0791,
72.2639

■ 43.1937, 21.8287,
63.9316

■ 58.1315, 49.8653,
74.5801

■ 42.5323, 20.8027,
62.7959

■ 62.8988, 59.0836,
77.1439

42.2730, 20.4603,
62.1658

68.4172, 69.8015,
79.9668

74.7183, 82.0818,
83.0592

80.2790, 92.8788,
85.9134

80.4836, 92.9606,
86.9910

80.6900, 93.0432,
88.0778

Harmonies

Analogous

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



39.0142, 30.5057, 104.2088



47.9854, 30.5057, 68.3248



51.7118, 30.5057, 33.8984

Triad

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



47.9854, 30.5057, 68.3248



29.2322, 30.5057, 3.4096



15.6630, 30.5057, 66.4424

Complementary

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



47.9854, 30.5057, 68.3248



35.1198, 57.3438, 24.2583

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.



14.1490, 30.5057, 32.5419



47.9854, 30.5057, 68.3248



20.8568, 30.5057, 5.1168

Square

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



47.9854, 30.5057, 68.3248



39.5163, 30.5057, 5.3142



15.8206, 30.5057, 12.8270



20.5292, 30.5057, 102.7621

Rectangle

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



47.9854, 30.5057, 68.3248



50.2048, 30.5057, 18.6184



15.8206, 30.5057, 12.8270



14.8001, 30.5057, 53.9496

Sweetspot

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



47.9865, 30.5071, 68.3254



82.9558, 76.5019, 102.7408



24.6191, 18.3383, 72.7640



17.4640, 15.8095, 21.8353



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.



47.9865, 30.5071, 68.3254



61.1684, 34.9805, 89.1477



41.7164, 27.9991, 35.3075



14.2538, 13.9192, 17.1069



24.6226, 11.9160, 36.2738



1.7187, 0.8307, 2.5773

Inverse Universe

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



47.9865, 30.5071, 68.3254



61.1684, 34.9805, 89.1477



39.4637, 59.0813, 47.1330



14.2538, 13.9192, 17.1069



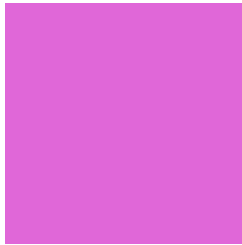
24.6226, 11.9160, 36.2738



1.7187, 0.8307, 2.5773

Previews

White Background



This preview shows how the XYZ color 47.9854, 30.5057, 68.3248 looks on a white background.

Color Contrast Check

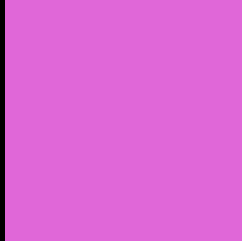
Large Text (above 18pt) WCAG AA × Fail

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 47.9854, 30.5057, 68.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

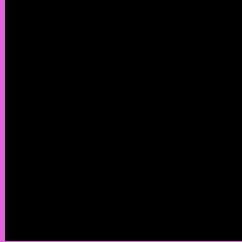
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9854, 30.5057, 68.3248

Background



This preview shows how black text looks on a background with the XYZ color 47.9854, 30.5057, 68.3248.

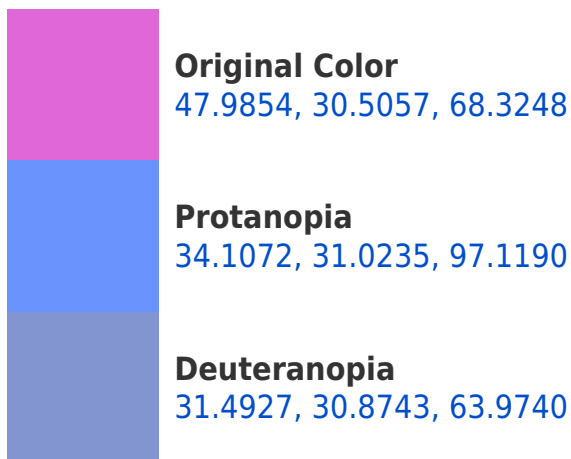


This preview shows how white text looks on a background with the XYZ color 47.9854, 30.5057,

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





Tritanopia

39.1728, 30.4049, 25.9944

Trichromacy



Original Color

47.9854, 30.5057, 68.3248



Protanomaly

36.2389, 28.9134, 86.1089



Deuteranomaly

35.5262, 29.2050, 65.3927



Tritanomaly

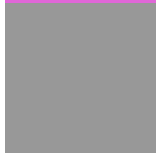
41.7697, 30.0406, 38.2472

Monochromacy



Original Color

47.9854, 30.5057, 68.3248



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.6231, 29.6103, 44.4480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9854, 30.5057, 68.3248 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, 103, 216)` looks like.

```
.text, #text, p{  
    color:rgb(224, 103, 216)  
}
```

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, 103, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 103, 216) }
```

Border

The CSS property to change the border of an element to XYZ 47.9854, 30.5057, 68.3248 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, 103, 216) }
```


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

```
.border{ border-color:rgb(224, 103, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 103, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 103, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 103, 216);  
box-shadow:4px 4px 4px 4px rgb(224, 103,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9854, 30.5057, 68.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 103, 216) }
```

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

```
.background{ background-color: rgb(224,  
103, 216) }
```

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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