

Converting Colors

XYZ(46.6597, 30.1211, 68.3205)

Have a look what the booklet for
XYZ(46.6597, 30.1211, 68.3205)
contains.

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Color

**XYZ(46.6597, 30.1211,
68.3205)**

Conversions

Conversions Part 1

Format	Color
Hex	DB69D8
RGB	219, 105, 216
RGB Percent	86%, 41%, 85%
CMY	0.1412, 0.5882, 0.1529
CMYK	0.00, 0.52, 0.01, 0.14
HSL	302°, 61%, 64%
HSV	302°, 52%, 86%
XYZ	46.6597, 30.1211, 68.3205
YIQ	151.7400, 32.3130, 58.6890

Conversions

Conversions Part 2

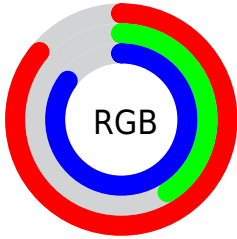
Format	Color
R _Y B	219, 105, 216
Decimal	14379480
CIE Lab	61.76, 59.26, -37.16
CIE LCh	62, 69.949, 327.915
Yxy	30.1211, 0.3216, 0.2076
Android (android.graphics.Color)	4292569560 (0xFFDB69D8)
YUV	151.7400, 31.6802, 58.9870
Hunter-Lab	54.8827, 55.7109, -35.3890

Details

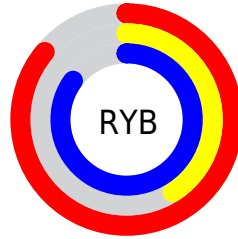
The XYZ color **46.6597, 30.1211, 68.3205** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.8654, 54.7502, 22.9721**, and the grayscale version is **29.5923, 31.1334, 33.9043**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **22.2293, 12.3469, 34.9298** is the 20% darker color. If you saturate the color by 10%, you get **44.6355, 26.1911, 67.2789**, and if you desaturate by 10%, it is **49.2605, 35.2024, 69.5561**.

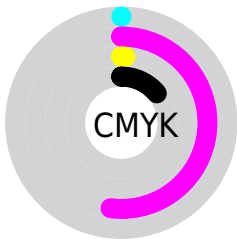
Distribution



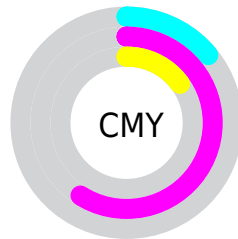
- Red (86%)
- Green (41%)
- Blue (85%)



- Red (86%)
- Yellow (41%)
- Blue (85%)



- Cyan (0%)
- Magenta (52%)
- Yellow (1%)
- Black (14%)




- Cyan (14%)
- Magenta (59%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6597, 30.1211, 68.3205 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 46.6597, 30.1211, 68.3205 by changing the saturation by 10% instead.


 46.6597, 30.1211,
68.3205


 46.6597, 30.1211,
68.3205


364.1262,
302.4685, 473.2596

 32.9735, 19.9305,
49.6902


 84.4273, 59.8536,
118.4691

 22.2653, 12.3446,
34.7978


 109.2394, 80.1644,
150.8244

 14.1697, 6.9788,
23.2249


 138.4909,
104.6173, 188.5919

 8.3213, 3.4488,
14.5528

 172.5471,
133.5968, 232.1900

 4.3547, 1.3703,
8.3630

211.7734,
167.4873, 282.0373

 1.9047, 0.1947,
4.2370

256.5351,

 0.5796, 0.0000,

206.6732, 338.5523

1.7562

307.1976,
251.5388, 402.1535

■ 0.0000, 0.0000,
0.3989

■ 0.0000, 0.0000,
0.0000

■ 46.6597, 30.1211,
68.3205

■ 46.6597, 30.1211,
68.3205

■ 44.6355, 26.1911,
67.2789

■ 49.2605, 35.2024,
69.5561

■ 43.1398, 23.3182,
66.4145


■ 52.4750, 41.5115,
70.9973


■ 42.1217, 21.4004,
65.7107


■ 56.3409, 49.1230,
72.6569


■ 41.5193, 20.3133,
65.1466

■ 60.8919, 58.1043,
74.5462


 41.2542, 19.8764,
64.7705

 66.1595, 68.5184,
76.6756

 72.1732, 80.4242,
79.0550

 77.8969, 91.7495,
81.3391

 77.9734, 91.7801,
81.7420

 78.0502, 91.8108,
82.1464

Harmonies

Analogous

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



37.8673, 30.1211, 102.2867



46.6597, 30.1211, 68.3205



50.5377, 30.1211, 34.7005

Triad

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



46.6597, 30.1211, 68.3205



29.2864, 30.1211, 3.5953



15.5315, 30.1211, 63.1777

Complementary

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



46.6597, 30.1211, 68.3205



33.8654, 54.7502, 22.9721

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.



14.1926, 30.1211, 30.9639



46.6597, 30.1211, 68.3205



21.0308, 30.1211, 5.1345

Square

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



46.6597, 30.1211, 68.3205



39.2450, 30.1211, 5.6964



15.9695, 30.1211, 12.3875



20.1244, 30.1211, 98.3506

Rectangle

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



46.6597, 30.1211, 68.3205



49.2960, 30.1211, 19.4048



15.9695, 30.1211, 12.3875



14.7363, 30.1211, 51.2571

Sweetspot

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



46.6608, 30.1225, 68.3211



83.2148, 76.6054, 104.1042



23.8905, 18.3387, 69.2994



17.5265, 15.8345, 22.1643



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.



46.6608, 30.1225, 68.3211



62.8925, 36.7458, 94.9109



40.6202, 27.7062, 36.5121



13.5988, 13.2686, 16.4146



24.4682, 11.7883, 38.4409



1.5900, 0.7656, 2.5156

Inverse Universe

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



46.6608, 30.1225, 68.3211



62.8925, 36.7458, 94.9109



37.8504, 56.3442, 43.9568



13.5988, 13.2686, 16.4146



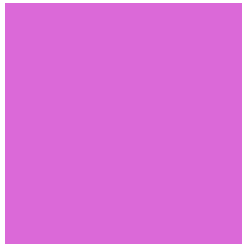
24.4682, 11.7883, 38.4409



1.5900, 0.7656, 2.5156

Previews

White Background



This preview shows how the XYZ color 46.6597, 30.1211, 68.3205 looks on a white background.

Color Contrast Check

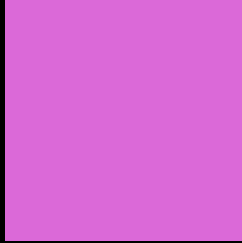
Large Text (above 18pt) WCAG AA × Fail

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 46.6597, 30.1211, 68.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

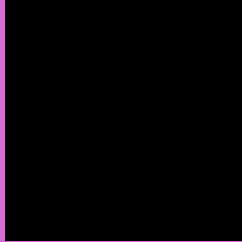
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6597, 30.1211, 68.3205

Background



This preview shows how black text looks on a background with the XYZ color 46.6597, 30.1211, 68.3205.



This preview shows how white text looks on a background with the XYZ color 46.6597, 30.1211,

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

46.6597, 30.1211, 68.3205

Protanopia

33.6353, 30.5870, 95.3979

Deuteranopia

31.1518, 30.4504, 64.5572



Tritanopia

37.9312, 29.9438, 26.3348

Trichromacy



Original Color

46.6597, 30.1211, 68.3205



Protanomaly

35.5815, 28.6087, 84.5356



Deuteranomaly

35.0352, 28.9374, 66.0263



Tritanomaly

40.6198, 29.7833, 38.7298

Monochromacy



Original Color

46.6597, 30.1211, 68.3205



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.3063, 29.6532, 44.4729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6597, 30.1211, 68.3205 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(219, 105, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 105, 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(219, 105, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 105, 216) }
```

Border

The CSS property to change the border of an element to XYZ 46.6597, 30.1211, 68.3205 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(219, 105, 216) }
```


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

```
.border{ border-color:rgb(219, 105, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 105, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 105, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 105, 216); box-shadow:4px 4px 4px 4px rgb(219, 105, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6597, 30.1211, 68.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 105, 216) }
```

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

```
.background{ background-color: rgb(219,  
105, 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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