

Converting Colors

XYZ(46.5025, 32.4285, 67.0592)

Have a look what the booklet for
XYZ(46.5025, 32.4285, 67.0592)
contains.

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Color

**XYZ(46.3386, 32.2939,
66.7418)**

Conversions

Conversions Part 1

Format	Color
Hex	D677D5
RGB	214, 119, 213
RGB Percent	84%, 47%, 84%
CMY	0.1608, 0.5333, 0.1647
CMYK	0.00, 0.44, 0.00, 0.16
HSL	301°, 54%, 65%
HSV	301°, 44%, 84%
XYZ	46.3386, 32.2939, 66.7418
YIQ	158.1210, 26.4460, 49.3740

Conversions

Conversions Part 2

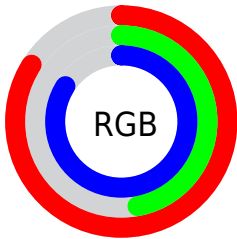
Format	Color
RYB	214, 119, 213
Decimal	14055381
CIELab	63.59, 50.49, -32.68
CIElCh	64, 60.138, 327.086
Yxy	32.2939, 0.3188, 0.2221
Android (android.graphics.Color)	4292245461 (0xFFD677D5)
YUV	158.1210, 27.0553, 49.0059
Hunter-Lab	56.8277, 46.1044, -29.8542

Details

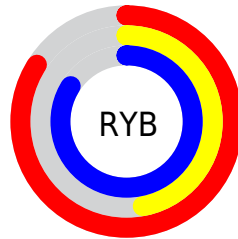
The XYZ color **46.3386, 32.2939, 66.7418** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.0459, 53.3723, 26.2259**, and the grayscale version is **32.4280, 34.1168, 37.1532**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **22.0244, 13.5331, 33.7991** is the 20% darker color. If you saturate the color by 10%, you get **44.0445, 27.7507, 65.8363**, and if you desaturate by 10%, it is **49.2083, 37.9867, 67.8400**.

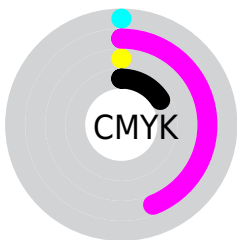
Distribution



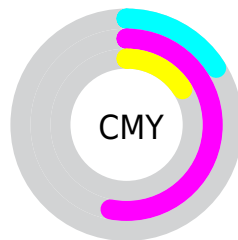
- Red (84%)
- Green (47%)
- Blue (84%)



- Red (84%)
- Yellow (47%)
- Blue (84%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)




- Cyan (16%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3386, 32.2939, 66.7418 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 46.3386, 32.2939, 66.7418 by changing the saturation by 10% instead.


 46.3386, 32.2939,
66.7418


 46.3386, 32.2939,
66.7418


362.8614,
312.4559, 467.5016


 32.7189, 21.5861,
48.4145


 83.9503, 63.2715,
116.1875

 22.0694, 13.5531,
33.7930

 108.6729, 84.3102,
148.1430

 14.0248, 7.8105,
22.4585

 137.8272,
109.5612, 185.4784

 8.2197, 3.9739,
13.9927

171.7786,
139.4090, 228.6121

 4.2888, 1.6590,
7.9769

210.8923,
174.2379, 277.9627

 1.8668, 0.3969,
3.9926

255.5338,

 0.5574, 0.0000,

214.4325, 333.9489

1.6213

306.0684,
260.3770, 396.9890

■ 0.0000, 0.0000,
0.3059

■ 0.0000, 0.0000,
0.0000

■ 46.3386, 32.2939,
66.7418

■ 46.3386, 32.2939,
66.7418

■ 44.0445, 27.7507,
65.8363

■ 49.2083, 37.9867,
67.8400

■ 42.2837, 24.2748,
65.1085


■ 52.6857, 44.8955,
69.1405


■ 41.0135, 21.7801,
64.5444


■ 56.8042, 53.0867,
70.6550


■ 40.1832, 20.1651,
64.1272


■ 61.5942, 62.6206,
72.3936


 39.7312, 19.3065,
63.8362


 67.0838, 73.5538,
74.3655

 39.5837, 19.0370,
63.7085

 73.2997, 85.9395,
76.5797

 75.7036, 90.7010,
77.5235

 75.7325, 90.7126,
77.6757

 75.7614, 90.7241,
77.8282

Harmonies

Analogous

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



38.6472, 32.2939, 94.4751



46.3386, 32.2939, 66.7418



49.8040, 32.2939, 37.5654

Triad

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



46.3386, 32.2939, 66.7418



31.5223, 32.2939, 6.2513



18.4484, 32.2939, 60.6941

Complementary

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



46.3386, 32.2939, 66.7418



35.0459, 53.3723, 26.2259

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.



17.2302, 32.2939, 32.8644



46.3386, 32.2939, 66.7418



23.9151, 32.2939, 7.9732

Square

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



46.3386, 32.2939, 66.7418



40.3283, 32.2939, 8.8794



19.0391, 32.2939, 15.5487



22.7317, 32.2939, 90.0055

Rectangle

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



46.3386, 32.2939, 66.7418



48.8551, 32.2939, 23.2530



19.0391, 32.2939, 15.5487



17.7051, 32.2939, 50.5704

Sweetspot

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



46.3397, 32.2953, 66.7425



85.3153, 80.6204, 105.3780



26.3437, 21.9723, 66.4718



17.9446, 16.6265, 22.4397



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.



46.3397, 32.2953, 66.7425



65.7601, 41.7855, 98.0102



41.2586, 30.2629, 39.9856



12.9471, 12.6304, 15.6619



23.9281, 11.5076, 38.5209



1.4451, 0.6948, 2.3332

Inverse Universe

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



46.3397, 32.2953, 66.7425



65.7601, 41.7855, 98.0102



38.5845, 54.7878, 44.8604



12.9471, 12.6304, 15.6619



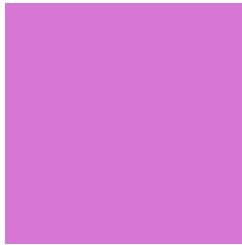
23.9281, 11.5076, 38.5209



1.4451, 0.6948, 2.3332

Previews

White Background



This preview shows how the XYZ color 46.3386, 32.2939, 66.7418 looks on a white background.

Color Contrast Check

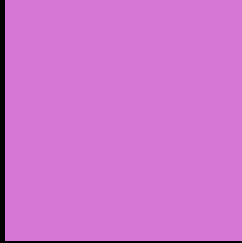
Large Text (above 18pt) WCAG AA × Fail

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 46.3386, 32.2939, 66.7418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

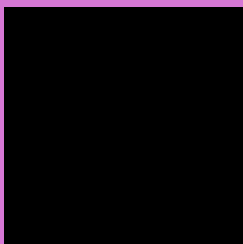
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3386, 32.2939, 66.7418

Background



This preview shows how black text looks on a background with the XYZ color 46.3386, 32.2939, 66.7418.



This preview shows how white text looks on a background with the XYZ color 46.3386, 32.2939,

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

46.3386, 32.2939, 66.7418

Protanopia

34.8343, 32.8260, 86.1615

Deuteranopia

33.3059, 32.5369, 63.5563



Tritanopia

38.8128, 32.0737, 30.9332

Trichromacy



Original Color

46.3386, 32.2939, 66.7418



Protanomaly

37.1786, 31.4379, 78.9715



Deuteranomaly

36.8231, 31.5751, 64.4754



Tritanomaly

41.1184, 32.0127, 42.0421

Monochromacy



Original Color

46.3386, 32.2939, 66.7418



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.3692, 32.6258, 46.5000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3386, 32.2939, 66.7418 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(214, 119, 213)` looks like.

```
.text, #text, p{  
    color:rgb(214, 119, 213)  
}
```

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(214, 119, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 119, 213) }
```

Border

The CSS property to change the border of an element to XYZ 46.3386, 32.2939, 66.7418 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(214, 119, 213) }
```


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

```
.border{ border-color:rgb(214, 119, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 119, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 119, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 119, 213);  
box-shadow:4px 4px 4px 4px rgb(214, 119,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3386, 32.2939, 66.7418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 119, 213) }
```

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

```
.background{ background-color: rgb(214,  
119, 213) }
```

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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