

Converting Colors

XYZ(46.4628, 33.9325, 62.4956)

Have a look what the booklet for
XYZ(46.4628, 33.9325, 62.4956)
contains.

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Color

**XYZ(46.4615, 33.9311,
62.4931)**

Conversions

Conversions Part 1

Format	Color
Hex	D67FCE
RGB	214, 127, 206
RGB Percent	84%, 50%, 81%
CMY	0.1608, 0.5019, 0.1922
CMYK	0.00, 0.41, 0.04, 0.16
HSL	306°, 51%, 67%
HSV	306°, 41%, 84%
XYZ	46.4615, 33.9311, 62.4931
YIQ	162.0190, 26.4930, 43.0130

Conversions

Conversions Part 2

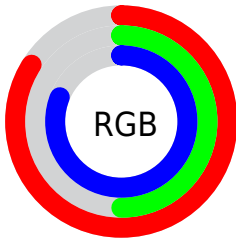
Format	Color
RYB	214, 127, 206
Decimal	14057422
CIELab	64.91, 45.13, -26.71
CIELCh	65, 52.444, 329.379
Yxy	33.9311, 0.3252, 0.2375
Android (android.graphics.Color)	4292247502 (0xFFD67FCE)
YUV	162.0190, 21.6826, 45.5873
Hunter-Lab	58.2504, 40.4364, -22.8331

Details

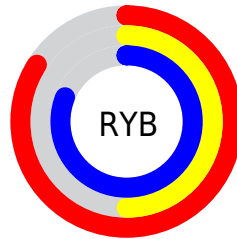
The XYZ color **46.4615, 33.9311, 62.4931** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.1736, 54.3556, 31.4561**, and the grayscale version is **34.2455, 36.0290, 39.2356**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **22.2025, 14.5356, 30.9136** is the 20% darker color. If you saturate the color by 10%, you get **43.7483, 28.8843, 60.4168**, and if you desaturate by 10%, it is **49.7668, 40.1560, 64.7823**.

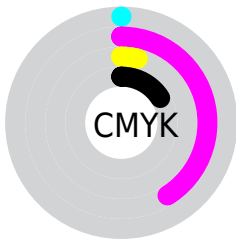
Distribution



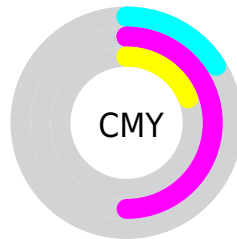
- Red (84%)
- Green (50%)
- Blue (81%)



- Red (84%)
- Yellow (50%)
- Blue (81%)



- Cyan (0%)
- Magenta (41%)
- Yellow (4%)
- Black (16%)





- Cyan (16%)
- Magenta (50%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4615, 33.9311, 62.4931 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 46.4615, 33.9311, 62.4931 by changing the saturation by 10% instead.


 46.4615, 33.9311,
62.4931


 46.4615, 33.9311,
62.4931

363.3459,
319.8247, 451.7847


 32.8163, 22.8407,
44.9929


 84.1329, 65.8265,
110.0164

 22.1443, 14.4759,
31.1089


 108.8898, 87.4003,
140.8765

 14.0802, 8.4524,
20.4226


 138.0814,
113.2373, 177.0271

 8.2585, 4.3858,
12.5155

172.0729,
143.7219, 218.8866

 4.3140, 1.8916,
6.9690

211.2297,
179.2386, 266.8735

 1.8813, 0.5433,
3.3646

255.9173,

 0.5659, 0.0000,

220.1717, 321.4065

1.2837

306.5009,
266.9056, 382.9041

■ 0.0000, 0.0000,
0.0483

■ 0.0000, 0.0000,
0.0000

■ 46.4615, 33.9311,
62.4931

■ 46.4615, 33.9311,
62.4931

■ 43.7483, 28.8843,
60.4168

■ 49.7668, 40.1560,
64.7823

■ 41.5865, 24.9361,
58.5386


■ 53.6951, 47.6228,
67.2936


■ 39.9353, 22.0044,
56.8453


■ 58.2792, 56.3962,
70.0384


■ 38.7468, 19.9935,
55.3209


■ 63.5484, 66.5351,
73.0264


 37.9643, 18.7896,
53.9463


 69.5304, 78.0948,
76.2671

 37.5056, 18.2058,
52.7654

 76.1218, 90.8683,
79.7259

 76.3807, 90.9718,
81.0890

 76.6426, 91.0766,
82.4682

 76.9076, 91.1826,
83.8637

Harmonies

Analogous

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



39.9279, 33.9311, 86.4494



46.4615, 33.9311, 62.4931



49.0966, 33.9311, 37.3985

Triad

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



46.4615, 33.9311, 62.4931



32.4084, 33.9311, 8.9796



21.1609, 33.9311, 61.3897

Complementary

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



46.4615, 33.9311, 62.4931



37.1736, 54.3556, 31.4561

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.



19.7798, 33.9311, 36.4956



46.4615, 33.9311, 62.4931



25.6263, 33.9311, 11.2315

Square

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



46.4615, 33.9311, 62.4931



40.2435, 33.9311, 11.4368



21.2802, 33.9311, 19.5259



25.3928, 33.9311, 85.6562

Rectangle

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



46.4615, 33.9311, 62.4931



48.0149, 33.9311, 24.7717



21.2802, 33.9311, 19.5259



20.3802, 33.9311, 52.5684

Sweetspot

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



46.4626, 33.9326, 62.4938



85.6035, 81.8266, 103.5323



29.5999, 25.1244, 66.9086



18.1221, 17.1297, 22.0420



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.



46.4626, 33.9326, 62.4938



65.4840, 43.7404, 90.1891



41.9555, 32.1298, 38.7599



12.9015, 12.6121, 15.4215



22.6899, 11.0123, 32.0009



1.3833, 0.6701, 2.0076

Inverse Universe

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



46.4626, 33.9326, 62.4938



65.4840, 43.7404, 90.1891



40.8111, 55.8106, 50.6110



12.9015, 12.6121, 15.4215



22.6899, 11.0123, 32.0009



1.3833, 0.6701, 2.0076

Previews

White Background



This preview shows how the XYZ color 46.4615, 33.9311, 62.4931 looks on a white background.

Color Contrast Check

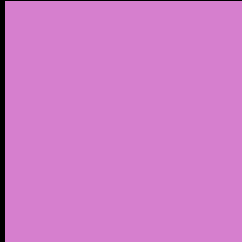
Large Text (above 18pt) WCAG AA × Fail

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 46.4615, 33.9311, 62.4931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

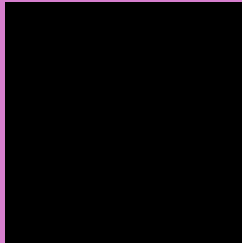
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4615, 33.9311, 62.4931

Background



This preview shows how black text looks on a background with the XYZ color 46.4615, 33.9311, 62.4931.



This preview shows how white text looks on a background with the XYZ color 46.4615, 33.9311,

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

46.4615, 33.9311, 62.4931

Protanopia

35.7166, 34.1950, 78.1166

Deuteranopia

35.0265, 34.2390, 60.0210



Tritanopia

40.3896, 33.9006, 32.8485

Trichromacy



Original Color

46.4615, 33.9311, 62.4931



Protanomaly

38.3535, 33.3106, 72.1183



Deuteranomaly

38.3604, 33.5613, 60.9561



Tritanomaly

42.4980, 33.9319, 42.3398

Monochromacy



Original Color

46.4615, 33.9311, 62.4931



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.8394, 34.5330, 46.7907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4615, 33.9311, 62.4931 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, 127, 206)` looks like.

```
.text, #text, p{  
    color:rgb(214, 127, 206)  
}
```

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, 127, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 127, 206) }
```

Border

The CSS property to change the border of an element to XYZ 46.4615, 33.9311, 62.4931 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, 127, 206) }
```


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

```
.border{ border-color:rgb(214, 127, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 127, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 127, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 127, 206);  
box-shadow:4px 4px 4px 4px rgb(214, 127,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4615, 33.9311, 62.4931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 127, 206) }
```

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

```
.background{ background-color: rgb(214,  
127, 206) }
```

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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