

Converting Colors

XYZ(46.3676, 31.6861, 58.2080)

Have a look what the booklet for
XYZ(46.3676, 31.6861, 58.2080)
contains.

XYZ(46.2614, 31.5769, 58.3003)	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(46.2614, 31.5769,
58.3003)**

Conversions

Conversions Part 1

Format	Color
Hex	DD72C8
RGB	221, 114, 200
RGB Percent	87%, 45%, 78%
CMY	0.1333, 0.5529, 0.2157
CMYK	0.00, 0.48, 0.10, 0.13
HSL	312°, 61%, 66%
HSV	312°, 48%, 87%
XYZ	46.2614, 31.5769, 58.3003
YIQ	155.7970, 36.1660, 49.4300

Conversions

Conversions Part 2

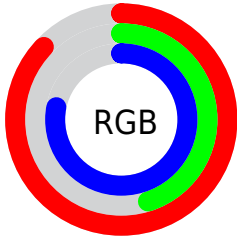
Format	Color
R _{YB}	221, 114, 200
Decimal	14512840
CIE _{Lab}	62.99, 52.82, -26.21
CIE _{LCh}	63, 58.971, 333.608
Yxy	31.5769, 0.3398, 0.2319
Android (android.graphics.Color)	4292702920 (0xFFDD72C8)
YUV	155.7970, 21.7921, 57.1830
Hunter-Lab	56.1933, 48.6126, -22.1778

Details

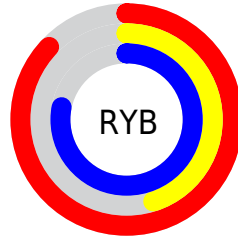
The XYZ color **46.2614, 31.5769, 58.3003** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.1704, 57.0406, 31.9747**, and the grayscale version is **31.4053, 33.0408, 35.9814**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **22.1140, 13.1996, 28.5764** is the 20% darker color. If you saturate the color by 10%, you get **43.5635, 26.9804, 54.9354**, and if you desaturate by 10%, it is **49.5778, 37.3863, 61.9430**.

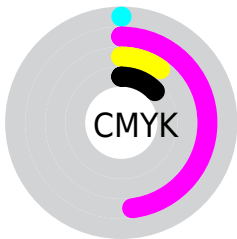
Distribution



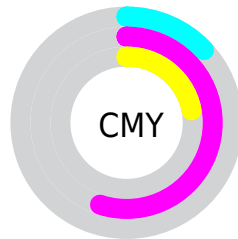
- Red (87%)
- Green (45%)
- Blue (78%)



- Red (87%)
- Yellow (45%)
- Blue (78%)



- Cyan (0%)
- Magenta (48%)
- Yellow (10%)
- Black (13%)





- Cyan (13%)
- Magenta (55%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2614, 31.5769, 58.3003 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 46.2614, 31.5769, 58.3003 by changing the saturation by 10% instead.


 46.2614, 31.5769,
58.3003


 46.2614, 31.5769,
58.3003


362.5569,
309.1874, 435.9335


 32.6576, 21.0385,
41.6338


 83.8355, 62.1472,
103.8791

 22.0223, 13.1522,
28.4912


 108.5366, 82.9479,
133.6286

 13.9900, 7.5334,
18.4540

 137.6676,
107.9383, 168.5761

 8.1953, 3.7979,
11.1036

171.5936,
137.5026, 209.1402

 4.2731, 1.5611,
6.0215

210.6803,
172.0252, 255.7394

 1.8577, 0.3312,
2.7892

255.2928,

 0.5521, 0.0000,

211.8906, 308.7924

0.9880

305.7966,
257.4832, 368.7175

■ 0.0000, 0.0000,
0.0000

■ 46.2614, 31.5769,
58.3003

■ 46.2614, 31.5769,
58.3003

■ 43.5635, 26.9804,
54.9354

■ 49.5778, 37.3863,
61.9430

■ 41.4369, 23.5042,
51.8310

■ 53.5496, 44.4837,
65.8753

■ 39.8323, 21.0495,
48.9704

■ 58.2141, 52.9433,
70.1107

■ 38.6906, 19.4981,
46.3333

■ 63.6051, 62.8322,
74.6609

■ 37.9244, 18.6753,
43.8900

■ 69.7541, 74.2133,
79.5370

■ 37.8173, 18.5716,
43.5136

■ 76.6906, 87.1457,
84.7493

■ 79.9132, 92.6259,
88.7980

■ 80.5314, 92.8732,
92.0534

■ 81.1649, 93.1266,
95.3893

Harmonies

Analogous

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



39.4986, 31.5769, 86.6036



46.2614, 31.5769, 58.3003



48.4217, 31.5769, 31.6471

Triad

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



46.2614, 31.5769, 58.3003



29.0421, 31.5769, 6.2960



18.8085, 31.5769, 65.5005

Complementary

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



46.2614, 31.5769, 58.3003



37.1704, 57.0406, 31.9747

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.



16.9845, 31.5769, 37.2699



46.2614, 31.5769, 58.3003



22.1822, 31.5769, 8.9870

Square

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



46.2614, 31.5769, 58.3003



37.4921, 31.5769, 7.8862



18.0989, 31.5769, 18.1054



23.6010, 31.5769, 91.9119

Rectangle

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



46.2614, 31.5769, 58.3003



46.6899, 31.5769, 19.4181



18.0989, 31.5769, 18.1054



17.8714, 31.5769, 55.5487

Sweetspot

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



46.2624, 31.5784, 58.3009



82.8531, 77.5028, 98.9875



28.8405, 22.2937, 71.1903



17.4078, 15.9922, 20.9067



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.



46.2624, 31.5784, 58.3009



60.2317, 37.2857, 75.9532



41.1734, 29.5428, 31.5026



13.4991, 13.2287, 15.8896



22.0092, 10.8047, 25.4922



1.4544, 0.7114, 1.8020

Inverse Universe

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



46.2624, 31.5784, 58.3009



60.2317, 37.2857, 75.9532



41.7792, 58.8841, 56.2443



13.4991, 13.2287, 15.8896



22.0092, 10.8047, 25.4922



1.4544, 0.7114, 1.8020

Previews

White Background



This preview shows how the XYZ color 46.2614, 31.5769, 58.3003 looks on a white background.

Color Contrast Check

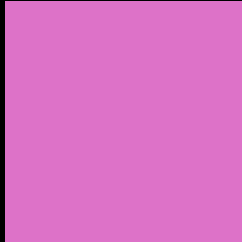
Large Text (above 18pt) WCAG AA × Fail

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 46.2614, 31.5769, 58.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

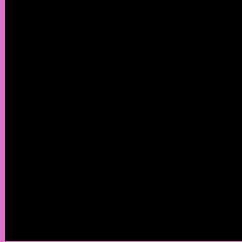
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2614, 31.5769, 58.3003

Background



This preview shows how black text looks on a background with the XYZ color 46.2614, 31.5769, 58.3003.

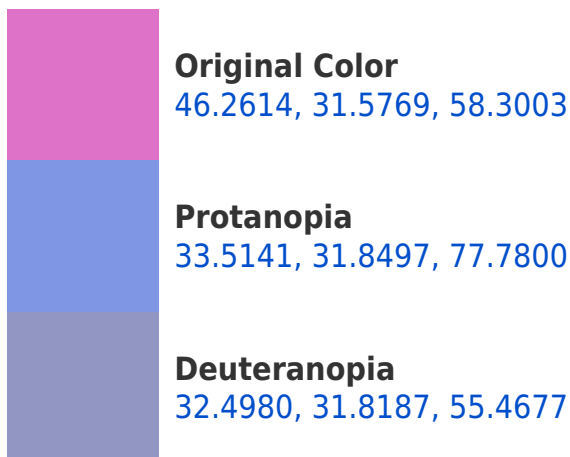


This preview shows how white text looks on a background with the XYZ color 46.2614, 31.5769,

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

39.9661, 31.5406, 27.6484

Trichromacy



Original Color

46.2614, 31.5769, 58.3003



Protanomaly

36.2985, 30.5303, 70.3095



Deuteranomaly

36.1430, 30.7611, 56.2571



Tritanomaly

42.0434, 31.4557, 37.1133

Monochromacy



Original Color

46.2614, 31.5769, 58.3003



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

35.7937, 31.7316, 43.2680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2614, 31.5769, 58.3003 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(221, 114, 200)` looks like.

```
.text, #text, p{  
    color:rgb(221, 114, 200)  
}
```

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(221, 114, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 114, 200) }
```

Border

The CSS property to change the border of an element to XYZ 46.2614, 31.5769, 58.3003 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(221, 114, 200) }
```


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

```
.border{ border-color:rgb(221, 114, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 114, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 114, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 114, 200);  
box-shadow:4px 4px 4px 4px rgb(221, 114,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2614, 31.5769, 58.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 114, 200) }
```

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

```
.background{ background-color: rgb(221,  
114, 200) }
```

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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