

Converting Colors

XYZ(46.2184, 34.3499, 64.9153)

Have a look what the booklet for
XYZ(46.2184, 34.3499, 64.9153)
contains.

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Color

**XYZ(46.1938, 34.3200,
65.1625)**

Conversions

Conversions Part 1

Format	Color
Hex	D282D2
RGB	210, 130, 210
RGB Percent	82%, 51%, 82%
CMY	0.1765, 0.4902, 0.1765
CMYK	0.00, 0.38, 0.00, 0.18
HSL	300°, 47%, 67%
HSV	300°, 38%, 82%
XYZ	46.1938, 34.3200, 65.1625
YIQ	163.0400, 22.0000, 41.8400

Conversions

Conversions Part 2

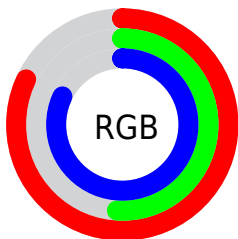
Format	Color
R _Y B	210, 130, 210
Decimal	13796050
CIE Lab	65.22, 43.05, -28.52
CIE LCh	65, 51.634, 326.478
Yxy	34.3200, 0.3171, 0.2356
Android (android.graphics.Color)	4291986130 (0xFFD282D2)
YUV	163.0400, 23.1513, 41.1839
Hunter-Lab	58.5833, 38.2292, -24.9403

Details

The XYZ color **46.1938, 34.3200, 65.1625** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.2832, 52.4519, 29.3329**, and the grayscale version is **34.7195, 36.5276, 39.7786**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **21.9672, 14.6854, 32.6871** is the 20% darker color. If you saturate the color by 10%, you get **43.6808, 29.2933, 64.3251**, and if you desaturate by 10%, it is **49.2791, 40.4898, 66.1914**.

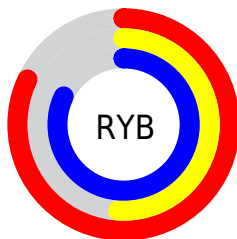
Distribution



Red (82%)

Green (51%)

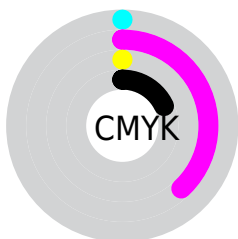
Blue (82%)



Red (82%)

Yellow (51%)

Blue (82%)

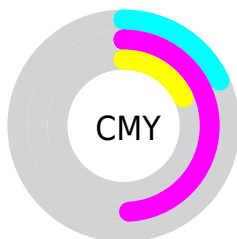


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (18%)



Cyan (18%)


Magenta (49%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1938, 34.3200, 65.1625 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 46.1938, 34.3200, 65.1625 by changing the saturation by 10% instead.


 46.1938, 34.3200,
65.1625


 46.1938, 34.3200,
65.1625


362.2901,
321.5566, 461.6979


 32.6040, 23.1395,
47.1407


 83.7351, 66.4310,
113.8990

 21.9811, 14.6966,
32.7917

 108.4173, 88.1303,
145.4507

 13.9595, 8.6067,
21.6971


 137.5277,
114.1047, 182.3494

 8.1740, 4.4856,
13.4383

171.4316,
144.7386, 225.0138

 4.2592, 1.9487,
7.5968

210.4945,
180.4163, 273.8623

 1.8498, 0.5774,
3.7540

255.0816,

 0.5474, 0.0000,

221.5223, 329.3134

1.4914

305.5584,
268.4409, 391.7858

■ 0.0000, 0.0000,
0.2115

■ 0.0000, 0.0000,
0.0000

■ 46.1938, 34.3200,
65.1625

■ 46.1938, 34.3200,
65.1625

■ 43.6808, 29.2933,
64.3251

■ 49.2791, 40.4898,
66.1914

■ 41.7017, 25.3352,
63.6653

■ 52.9652, 47.8620,
67.4202

■ 40.2190, 22.3698,
63.1710

■ 57.2828, 56.4972,
68.8595

■ 39.1888, 20.3093,
62.8274

■ 62.2596, 66.4508,
70.5185

■ 38.5593, 19.0504,
62.6175

■ 67.9216, 77.7748,
72.4060

■ 38.2550, 18.4419,
62.5160

■ 73.9718, 89.8751,
74.4228

■ 38.2116, 18.3550,
62.5015

■ 73.9718, 89.8751,
74.4229

■ 73.9718, 89.8751,
74.4230

■ 73.9719, 89.8751,
74.4231

Harmonies

Analogous

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



39.4881, 34.3200, 87.9274



46.1938, 34.3200, 65.1625



49.2520, 34.3200, 39.9661

Triad

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



46.1938, 34.3200, 65.1625



33.5149, 34.3200, 9.4311



21.3308, 34.3200, 58.9957

Complementary

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



46.1938, 34.3200, 65.1625



36.2832, 52.4519, 29.3329

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.



20.2302, 34.3200, 34.8863



46.1938, 34.3200, 65.1625



26.5986, 34.3200, 11.2359

Square

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



46.1938, 34.3200, 65.1625



41.2584, 34.3200, 12.4146



22.0058, 34.3200, 18.8727



25.2805, 34.3200, 83.5110

Rectangle

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



46.1938, 34.3200, 65.1625



48.5114, 34.3200, 26.8268



22.0058, 34.3200, 18.8727



20.6442, 34.3200, 50.3633

Sweetspot

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



46.1949, 34.3215, 65.1632



86.7454, 83.3908, 106.1316



28.8229, 25.3659, 64.3506



18.3667, 17.4484, 22.6498



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.



46.1949, 34.3215, 65.1632



68.3353, 46.5709, 99.9944



41.8180, 32.5707, 42.1144



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1244



1.3032, 0.6260, 2.1317

Inverse Universe

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



46.1949, 34.3215, 65.1632



68.3353, 46.5709, 99.9944



39.5095, 53.7424, 46.3227



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1244



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 46.1938, 34.3200, 65.1625 looks on a white background.

Color Contrast Check

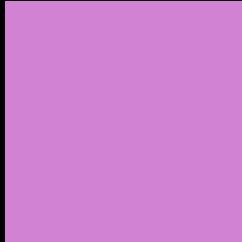
Large Text (above 18pt) WCAG AA × Fail

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 46.1938, 34.3200, 65.1625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

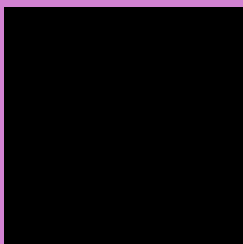
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1938, 34.3200, 65.1625

Background



This preview shows how black text looks on a background with the XYZ color 46.1938, 34.3200, 65.1625.



This preview shows how white text looks on a background with the XYZ color 46.1938, 34.3200,

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

46.1938, 34.3200, 65.1625

Protanopia

36.1631, 34.6410, 79.6433

Deuteranopia

35.3023, 34.5743, 62.5705



Tritanopia

40.0514, 34.3424, 34.6548

Trichromacy



Original Color

46.1938, 34.3200, 65.1625



Protanomaly

38.6533, 33.8765, 74.3136



Deuteranomaly

38.4908, 34.0304, 63.5713



Tritanomaly

42.1821, 34.3548, 44.4523

Monochromacy



Original Color

46.1938, 34.3200, 65.1625



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

38.1272, 35.1318, 47.9516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1938, 34.3200, 65.1625 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(210, 130, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 130, 210)  
}
```

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(210, 130, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 130, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.1938, 34.3200, 65.1625 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(210, 130, 210) }
```


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

```
.border{ border-color:rgb(210, 130, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 130, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 130, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 130, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 130,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1938, 34.3200, 65.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 130, 210) }
```

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

```
.background{ background-color: rgb(210,  
130, 210) }
```

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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