

Converting Colors

XYZ(46.1304, 36.5787, 65.6034)

Have a look what the booklet for
XYZ(46.1304, 36.5787, 65.6034)
contains.

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Color

**XYZ(46.0596, 36.5403,
65.5981)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8DD2
RGB	204, 141, 210
RGB Percent	80%, 55%, 82%
CMY	0.2000, 0.4470, 0.1765
CMYK	0.03, 0.33, 0.00, 0.18
HSL	295°, 43%, 69%
HSV	295°, 33%, 82%
XYZ	46.0596, 36.5403, 65.5981
YIQ	167.7030, 15.3990, 34.8150

Conversions

Conversions Part 2

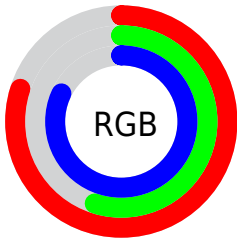
Format	Color
R_{YB}	204, 141, 210
Decimal	13405650
CIE _{Lab}	66.93, 35.27, -25.93
CIE _{LCh}	67, 43.780, 323.676
Yxy	36.5403, 0.3108, 0.2466
Android (android.graphics.Color)	4291595730 (0xFFCC8DD2)
YUV	167.7030, 20.8524, 31.8325
Hunter-Lab	60.4486, 30.2255, -22.0268

Details

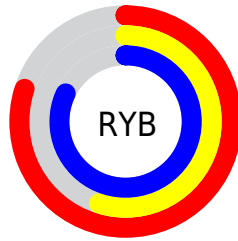
The XYZ color **46.0596, 36.5403, 65.5981** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.8881, 54.2202, 33.5643**, and the grayscale version is **36.9708, 38.8961, 42.3579**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **21.8832, 15.9009, 32.9262** is the 20% darker color. If you saturate the color by 10%, you get **42.7546, 30.6683, 64.6394**, and if you desaturate by 10%, it is **49.9598, 43.5926, 66.7543**.

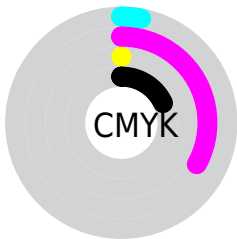
Distribution



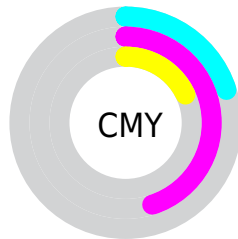
- Red (80%)
- Green (55%)
- Blue (82%)



- Red (80%)
- Yellow (55%)
- Blue (82%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)





- Cyan (20%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0596, 36.5403, 65.5981 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 46.0596, 36.5403, 65.5981 by changing the saturation by 10% instead.


 46.0596, 36.5403,
65.5981


 46.0596, 36.5403,
65.5981


361.7601,
331.3160, 463.3031


 32.4977, 24.8518,
47.4918


 83.5355, 69.8652,
114.5308

 21.8993, 15.9667,
33.0675


 108.1802, 92.2703,
146.1943

 13.8991, 9.5006,
21.9066


 137.2499,
119.0165, 183.2139

 8.1318, 5.0691,
13.5906

171.1098,
150.4880, 226.0082

 4.2319, 2.2879,
7.7010

210.1255,
187.0694, 274.9957

 1.8341, 0.7673,
3.8192

254.6622,

 0.5381, 0.0000,

229.1449, 330.5950

1.5267

305.0853,
277.0989, 393.2246

■ 0.0000, 0.0000,
0.2377

■ 0.0000, 0.0000,
0.0000

■ 46.0596, 36.5403,
65.5981

■ 46.0596, 36.5403,
65.5981

■ 42.7546, 30.6683,
64.6394

■ 49.9598, 43.5926,
66.7543

■ 40.0081, 25.9053,
63.8648

■ 54.4825, 51.8818,
68.1159

■ 37.7847, 22.1796,
63.2629

■ 59.6573, 61.4666,
69.6932

■ 36.0432, 19.4094,
62.8200

■ 65.5110, 72.4003,
71.4951

■ 34.7365, 17.5002,
62.5203

■ 72.0689, 84.7335,
73.5300

■ 33.8079, 16.3384,
62.3450

■ 75.4047, 90.6138,
74.4892

■ 33.3057, 15.8259,
62.2726

■ 75.9438, 90.8917,
74.5144

■ 76.4889, 91.1727,
74.5400

■ 77.0400, 91.4568,
74.5657

Harmonies

Analogous

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



40.1110, 36.5403, 83.5194



46.0596, 36.5403, 65.5981



49.0203, 36.5403, 43.9490

Triad

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



46.0596, 36.5403, 65.5981



36.1551, 36.5403, 13.3952



24.3055, 36.5403, 56.3404

Complementary

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



46.0596, 36.5403, 65.5981



39.8881, 54.2202, 33.5643

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.



23.5285, 36.5403, 35.8949



46.0596, 36.5403, 65.5981



29.8540, 36.5403, 14.8243

Square

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



46.0596, 36.5403, 65.5981



42.8510, 36.5403, 17.0079



25.4304, 36.5403, 21.8270



27.7067, 36.5403, 77.0920

Rectangle

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



46.0596, 36.5403, 65.5981



48.6637, 36.5403, 31.7558



25.4304, 36.5403, 21.8270



23.7483, 36.5403, 49.0676

Sweetspot

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



46.0608, 36.5419, 65.5989



86.6368, 84.3776, 106.3280



33.1931, 31.4661, 65.2974



18.3089, 17.6264, 22.6872



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.



46.0608, 36.5419, 65.5989



67.9930, 50.5029, 100.7721



44.5893, 36.1469, 49.1012



12.2052, 11.9546, 14.9078



20.3589, 9.6757, 37.9871



1.1688, 0.5567, 2.1254

Inverse Universe

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



41.3709, 34.8596, 32.1534



59.7718, 47.5736, 41.2477



41.1563, 54.6064, 45.7120



11.8499, 11.8247, 12.4853



16.2960, 8.3913, 1.1991



0.9259, 0.4751, 0.1448

Previews

White Background



This preview shows how the XYZ color 46.0596, 36.5403, 65.5981 looks on a white background.

Color Contrast Check

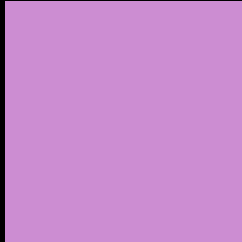
Large Text (above 18pt) WCAG AA × Fail

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 46.0596, 36.5403, 65.5981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

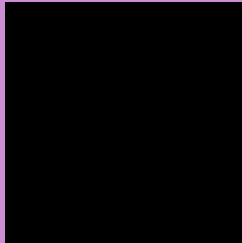
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0596, 36.5403, 65.5981

Background



This preview shows how black text looks on a background with the XYZ color 46.0596, 36.5403, 65.5981.



This preview shows how white text looks on a background with the XYZ color 46.0596, 36.5403,

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

46.0596, 36.5403, 65.5981

Protanopia

37.8371, 36.8553, 76.3537

Deuteranopia

37.6160, 36.7659, 63.5065



Tritanopia

40.6142, 36.6122, 39.1087

Trichromacy



Original Color

46.0596, 36.5403, 65.5981



Protanomaly

40.1998, 36.3855, 72.6145



Deuteranomaly

40.1093, 36.2861, 63.9214



Tritanomaly

42.3898, 36.4015, 47.4398

Monochromacy



Original Color

46.0596, 36.5403, 65.5981



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

39.8302, 37.6964, 49.9766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0596, 36.5403, 65.5981 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(204, 141, 210)` looks like.

```
.text, #text, p{  
    color:rgb(204, 141, 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(204, 141, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 141, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.0596, 36.5403, 65.5981 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(204, 141, 210) }
```


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

```
.border{ border-color:rgb(204, 141, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 141, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 141, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 141, 210);  
box-shadow:4px 4px 4px 4px rgb(204, 141,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0596, 36.5403, 65.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 141, 210) }
```

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

```
.background{ background-color: rgb(204,  
141, 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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