

Converting Colors

XYZ(45.6714, 36.8517, 61.9051)

Have a look what the booklet for
XYZ(45.6714, 36.8517, 61.9051)
contains.

XYZ(45.6234, 36.8419, 61.8333)	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(45.6234, 36.8419,
61.8333)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8FCC
RGB	204, 143, 204
RGB Percent	80%, 56%, 80%
CMY	0.2000, 0.4392, 0.2000
CMYK	0.00, 0.30, 0.00, 0.20
HSL	300°, 37%, 68%
HSV	300°, 30%, 80%
XYZ	45.6234, 36.8419, 61.8333
YIQ	168.1930, 16.7750, 31.9030

Conversions

Conversions Part 2

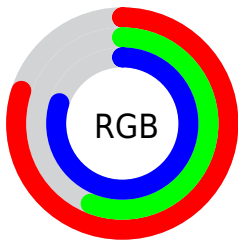
Format	Color
RYB	204, 143, 204
Decimal	13406156
CIELab	67.16, 33.05, -22.25
CIELCh	67, 39.838, 326.055
Yxy	36.8419, 0.3162, 0.2553
Android (android.graphics.Color)	4291596236 (0xFFCC8FCC)
YUV	168.1930, 17.6529, 31.4027
Hunter-Lab	60.6975, 27.9492, -17.9112

Details

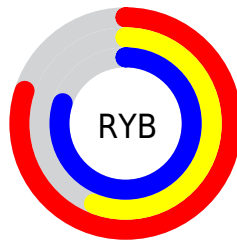
The XYZ color **45.6234, 36.8419, 61.8333** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.8800, 51.0098, 33.8380**, and the grayscale version is **37.2254, 39.1641, 42.6497**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **21.7266, 16.2459, 30.8448** is the 20% darker color. If you saturate the color by 10%, you get **42.8354, 31.2652, 60.9042**, and if you desaturate by 10%, it is **48.9706, 43.5356, 62.9496**.

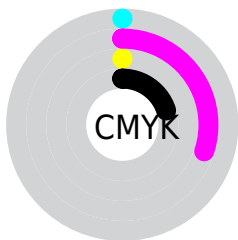
Distribution



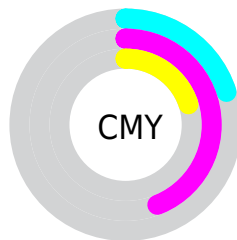
- Red (80%)
- Green (56%)
- Blue (80%)



- Red (80%)
- Yellow (56%)
- Blue (80%)



- Cyan (0%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6234, 36.8419, 61.8333 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 45.6234, 36.8419, 61.8333 by changing the saturation by 10% instead.


 45.6234, 36.8419,
61.8333


 45.6234, 36.8419,
61.8333


360.0339,
332.6255, 449.3136

 32.1521, 25.0851,
44.4631


 82.8864, 70.3296,
109.0538

 21.6338, 16.1405,
30.6949


 107.4089, 92.8292,
139.7412

 13.7032, 9.6236,
20.1101


136.3457,
119.6786, 175.7048

 7.9948, 5.1501,
12.2902

170.0624,
151.2621, 217.3630

 4.1434, 2.3356,
6.8167

208.9242,
187.9642, 265.1345

 1.7836, 0.7925,
3.2710

253.2964,

 0.5078, 0.0000,

230.1692, 319.4377

1.2346

303.5446,
278.2615, 380.6912

■ 0.0000, 0.0000,
0.0073

■ 0.0000, 0.0000,
0.0000

■ 45.6234, 36.8419,
61.8333

■ 45.6234, 36.8419,
61.8333

■ 42.8354, 31.2652,
60.9042

■ 48.9706, 43.5356,
62.9496

■ 40.5728, 26.7402,
60.1499

■ 52.9015, 51.3972,
64.2600

■ 38.8039, 23.2023,
59.5601

■ 57.4431, 60.4805,
65.7740

■ 37.4917, 20.5780,
59.1226

■ 62.6201, 70.8344,
67.4998

36.5944, 18.7833,
58.8233

68.4556, 82.5053,
69.4451

36.0622, 17.7191,
58.6458

71.5616, 88.7173,
70.4806

35.8034, 17.2016,
58.5594

71.5616, 88.7173,
70.4807

35.8012, 17.1972,
58.5587

71.5617, 88.7173,
70.4809

71.5617, 88.7174,
70.4810

Harmonies

Analogous

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



40.3998, 36.8419, 78.2771



45.6234, 36.8419, 61.8333



48.0044, 36.8419, 42.4594

Triad

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



45.6234, 36.8419, 61.8333



35.8266, 36.8419, 15.1482



25.5405, 36.8419, 56.6670

Complementary

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



45.6234, 36.8419, 61.8333



37.8800, 51.0098, 33.8380

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.



24.6129, 36.8419, 37.8576



45.6234, 36.8419, 61.8333



30.1351, 36.8419, 16.9492

Square

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



45.6234, 36.8419, 61.8333



41.9498, 36.8419, 18.2779



26.1969, 36.8419, 24.1899



28.8937, 36.8419, 74.7392

Rectangle

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



45.6234, 36.8419, 61.8333



47.4785, 36.8419, 31.5594



26.1969, 36.8419, 24.1899



24.9526, 36.8419, 50.0909

Sweetspot

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



45.6246, 36.8435, 61.8341



88.1606, 86.2214, 106.6033



32.0509, 29.8460, 61.1993



18.6488, 18.0124, 22.7437



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.



45.6246, 36.8435, 61.8341



72.4226, 54.7454, 101.3567



42.3170, 35.5205, 44.4166



11.6876, 11.4038, 14.1555



22.5334, 10.8239, 36.8569



1.1625, 0.5584, 1.9014

Inverse Universe

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



45.6246, 36.8435, 61.8341



72.4226, 54.7454, 101.3567



40.5133, 52.0631, 47.7047



11.6876, 11.4038, 14.1555



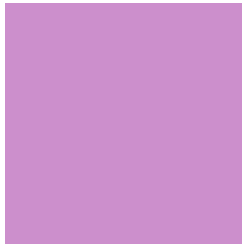
22.5334, 10.8239, 36.8569



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 45.6234, 36.8419, 61.8333 looks on a white background.

Color Contrast Check

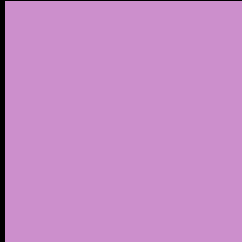
Large Text (above 18pt) WCAG AA × Fail

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 45.6234, 36.8419, 61.8333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

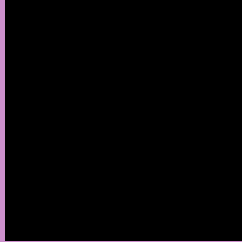
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6234, 36.8419, 61.8333

Background



This preview shows how black text looks on a background with the XYZ color 45.6234, 36.8419, 61.8333.



This preview shows how white text looks on a background with the XYZ color 45.6234, 36.8419,

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

45.6234, 36.8419, 61.8333

Protanopia

37.7880, 37.1985, 71.5181

Deuteranopia

37.8114, 36.9357, 60.3948



Tritanopia

40.9662, 36.7833, 39.5911

Trichromacy



Original Color

45.6234, 36.8419, 61.8333

Protanomaly

39.8800, 36.5716, 67.9079

Deuteranomaly

40.3477, 36.7226, 60.8387

Tritanomaly

42.4452, 36.6735, 46.9611

Monochromacy



Original Color

45.6234, 36.8419, 61.8333

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.7947, 37.9562, 48.9449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6234, 36.8419, 61.8333 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, 143, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 143, 204)  
}
```

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, 143, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 143, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.6234, 36.8419, 61.8333 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, 143, 204) }
```


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

```
.border{ border-color:rgb(204, 143, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 143, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 143, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 143, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 143,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6234, 36.8419, 61.8333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 143, 204) }
```

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

```
.background{ background-color: rgb(204,  
143, 204) }
```

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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