

Converting Colors

XYZ(45.6497, 37.2557, 62.1667)

Have a look what the booklet for
XYZ(45.6497, 37.2557, 62.1667)
contains.

XYZ(45.6531, 37.3069, 61.9215)	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(45.6531, 37.3069,
61.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	CB91CC
RGB	203, 145, 204
RGB Percent	80%, 57%, 80%
CMY	0.2039, 0.4314, 0.2000
CMYK	0.00, 0.29, 0.00, 0.20
HSL	299°, 37%, 68%
HSV	299°, 29%, 80%
XYZ	45.6531, 37.3069, 61.9215
YIQ	169.0680, 15.6290, 30.6450

Conversions

Conversions Part 2

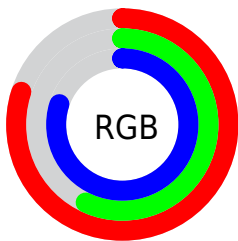
Format	Color
R _Y B	203, 145, 204
Decimal	13341132
CIE Lab	67.51, 31.63, -21.72
CIE LCh	68, 38.373, 325.520
Yxy	37.3069, 0.3151, 0.2575
Android (android.graphics.Color)	4291531212 (0xFFCB91CC)
YUV	169.0680, 17.2215, 29.7584
Hunter-Lab	61.0794, 26.5289, -17.3519

Details

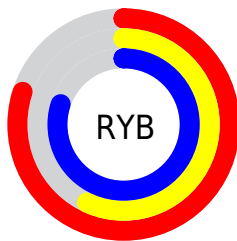
The XYZ color **45.6531, 37.3069, 61.9215** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.5589, 51.3419, 34.6675**, and the grayscale version is **37.6588, 39.6199, 43.1461**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **21.7205, 16.5033, 30.8948** is the 20% darker color. If you saturate the color by 10%, you get **42.7178, 31.5752, 60.9704**, and if you desaturate by 10%, it is **49.1506, 44.1614, 63.0608**.

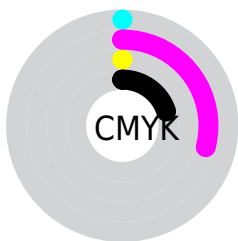
Distribution



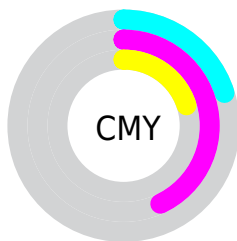
- Red (80%)
- Green (57%)
- Blue (80%)



- Red (80%)
- Yellow (57%)
- Blue (80%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (43%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6531, 37.3069, 61.9215 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 45.6531, 37.3069, 61.9215 by changing the saturation by 10% instead.


 45.6531, 37.3069,
61.9215


 45.6531, 37.3069,
61.9215


360.1516,
334.6373, 449.6444

 32.1756, 25.4452,
44.5339


 82.9306, 71.0445,
109.1826

 21.6519, 16.4091,
30.7502


 107.4614, 93.6893,
139.8931

 13.7165, 9.8141,
20.1518


136.4073,
120.6972, 175.8817

 8.0041, 5.2759,
12.3203

170.1338,
152.4526, 217.5669

 4.1494, 2.4100,
6.8370

209.0060,
189.3399, 265.3672

 1.7870, 0.8310,
3.2835

253.3895,

 0.5098, 0.0000,

231.7435, 319.7012

1.2411

303.6496,
280.0479, 380.9875

■ 0.0000, 0.0000,
0.0128

■ 0.0000, 0.0000,
0.0000

■ 45.6531, 37.3069,
61.9215

■ 45.6531, 37.3069,
61.9215

■ 42.7178, 31.5752,
60.9704

■ 49.1506, 44.1614,
63.0608

■ 40.3113, 26.9014,
60.1951

■ 53.2346, 52.1892,
64.3950

■ 38.4020, 23.2216,
59.5855

■ 57.9321, 61.4436,
65.9337

■ 36.9534, 20.4631,
59.1294

■ 63.2674, 71.9735,
67.6850

35.9243, 18.5432,
58.8130

69.2636, 83.8248,
69.6565

35.2659, 17.3644,
58.6202

71.8567, 88.8694,
70.4935

34.8985, 16.7673,
58.5243

71.9521, 88.9187,
70.4980

34.8646, 16.7143,
58.5159

72.0478, 88.9680,
70.5025

72.1437, 89.0174,
70.5070

Harmonies

Analogous

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



40.5728, 37.3069, 77.5457



45.6531, 37.3069, 61.9215



48.0093, 37.3069, 43.2110

Triad

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



45.6531, 37.3069, 61.9215



36.3523, 37.3069, 16.0827



26.1779, 37.3069, 56.2819

Complementary

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



45.6531, 37.3069, 61.9215



38.5589, 51.3419, 34.6675

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.



25.3121, 37.3069, 38.1364



45.6531, 37.3069, 61.9215



30.7942, 37.3069, 17.7952

Square

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



45.6531, 37.3069, 61.9215



42.2745, 37.3069, 19.2990



26.9082, 37.3069, 24.8687



29.4186, 37.3069, 73.7068

Rectangle

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



45.6531, 37.3069, 61.9215



47.5471, 37.3069, 32.5353



26.9082, 37.3069, 24.8687



25.6159, 37.3069, 49.9459

Sweetspot

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



45.6543, 37.3085, 61.9223



88.0178, 86.1477, 106.5969



33.0062, 31.2382, 61.4172



18.6132, 17.9941, 22.7421



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.



45.6543, 37.3085, 61.9223



72.3268, 55.3760, 101.4843



42.9111, 36.2428, 46.0520



11.6680, 11.3937, 14.1546



21.9525, 10.5245, 36.8307



1.1386, 0.5461, 1.9003

Inverse Universe

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



40.2167, 35.1651, 31.8635



61.8301, 51.2413, 43.3180



40.7689, 52.2055, 47.2281



11.2199, 11.2167, 11.6927



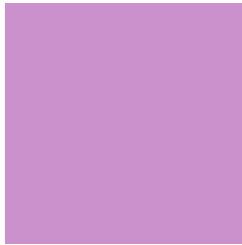
15.6889, 8.0862, 0.8145



0.8121, 0.4183, 0.0565

Previews

White Background



This preview shows how the XYZ color 45.6531, 37.3069, 61.9215 looks on a white background.

Color Contrast Check

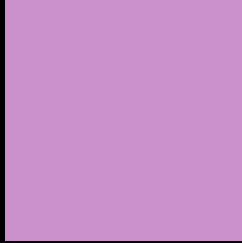
Large Text (above 18pt) WCAG AA × Fail

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 45.6531, 37.3069, 61.9215 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 45.6531, 37.3069, 61.9215

Background



This preview shows how black text looks on a background with the XYZ color 45.6531, 37.3069, 61.9215.



This preview shows how white text looks on a background with the XYZ color 45.6531, 37.3069,

61.9215.

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

45.6531, 37.3069, 61.9215

Protanopia

38.1993, 37.6882, 70.9069

Deuteranopia

38.3917, 37.4933, 60.4718



Tritanopia

41.3808, 37.4686, 40.1731

Trichromacy



Original Color

45.6531, 37.3069, 61.9215

Protanomaly

40.1343, 36.9654, 67.3071

Deuteranomaly

40.7421, 37.1719, 60.9047

Tritanomaly

42.8624, 37.3467, 47.5974

Monochromacy



Original Color

45.6531, 37.3069, 61.9215

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.0704, 38.3428, 49.5449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6531, 37.3069, 61.9215 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(203, 145, 204)` looks like.

```
.text, #text, p{  
    color:rgb(203, 145, 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(203, 145, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 145, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.6531, 37.3069, 61.9215 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(203, 145, 204) }
```


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

```
.border{ border-color:rgb(203, 145, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 145, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 145, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 145, 204);  
box-shadow:4px 4px 4px 4px rgb(203, 145,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6531, 37.3069, 61.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 145, 204) }
```

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

```
.background{ background-color: rgb(203,  
145, 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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