

Converting Colors

XYZ(45.8970, 37.3964, 61.9259)

Have a look what the booklet for
XYZ(45.8970, 37.3964, 61.9259)
contains.

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Color

**XYZ(45.9263, 37.4478,
61.9343)**

Conversions

Conversions Part 1

Format	Color
Hex	CC91CC
RGB	204, 145, 204
RGB Percent	80%, 57%, 80%
CMY	0.2000, 0.4314, 0.2000
CMYK	0.00, 0.29, 0.00, 0.20
HSL	300°, 37%, 68%
HSV	300°, 29%, 80%
XYZ	45.9263, 37.4478, 61.9343
YIQ	169.3670, 16.2250, 30.8570

Conversions

Conversions Part 2

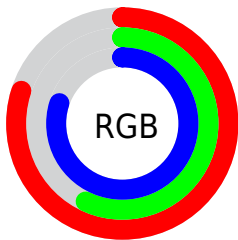
Format	Color
R_{YB}	204, 145, 204
Decimal	13406668
CIE _{Lab}	67.61, 31.96, -21.55
CIE _{LCh}	68, 38.548, 326.003
Yxy	37.4478, 0.3161, 0.2577
Android (android.graphics.Color)	4291596748 (0xFFCC91CC)
YUV	169.3670, 17.0741, 30.3731
Hunter-Lab	61.1946, 26.8729, -17.1704

Details

The XYZ color **45.9263, 37.4478, 61.9343** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.3823, 51.2510, 34.6596**, and the grayscale version is **37.8072, 39.7761, 43.3162**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **21.9022, 16.5970, 30.9033** is the 20% darker color. If you saturate the color by 10%, you get **43.0850, 31.7645, 60.9875**, and if you desaturate by 10%, it is **49.3296, 44.2538, 63.0692**.

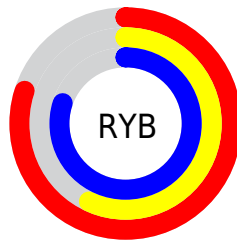
Distribution



Red (80%)

Green (57%)

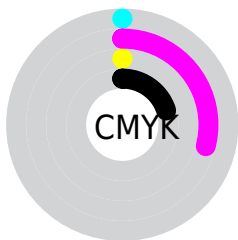
Blue (80%)



Red (80%)

Yellow (57%)

Blue (80%)

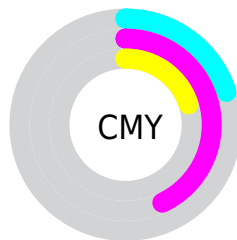


Cyan (0%)

Magenta (29%)

Yellow (0%)

Black (20%)



Cyan (20%)


Magenta (43%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9263, 37.4478, 61.9343 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 45.9263, 37.4478, 61.9343 by changing the saturation by 10% instead.


 45.9263, 37.4478,
61.9343


 45.9263, 37.4478,
61.9343


361.2332,
335.2452, 449.6924

 32.3920, 25.5544,
44.5442


 83.3372, 71.2610,
109.2012

 21.8181, 16.4906,
30.7582


 107.9446, 93.9495,
139.9151

 13.8392, 9.8720,
20.1579


136.9737,
121.0052, 175.9074

 8.0898, 5.3141,
12.3246

170.7900,
152.8125, 217.5965

 4.2048, 2.4327,
6.8400

209.7587,
189.7558, 265.4010

 1.8186, 0.8427,
3.2853

254.2452,

 0.5289, 0.0000,

232.2194, 319.7395

1.2421

304.6149,
280.5877, 381.0304

■ 0.0000, 0.0000,
0.0136

■ 0.0000, 0.0000,
0.0000

■ 45.9263, 37.4478,
61.9343

■ 45.9263, 37.4478,
61.9343

■ 43.0850, 31.7645,
60.9875

■ 49.3296, 44.2538,
63.0692

■ 40.7723, 27.1390,
60.2165

■ 53.3192, 52.2329,
64.3992

■ 38.9565, 23.5075,
59.6112

■ 57.9221, 61.4386,
65.9336

■ 37.6013, 20.7971,
59.1594

■ 63.1626, 71.9197,
67.6805

36.6653, 18.9252,
58.8473

69.0638, 83.7220,
69.6476

36.0999, 17.7944,
58.6587

71.5615, 88.7173,
70.4803

35.8252, 17.2450,
58.5671

71.5615, 88.7173,
70.4803

35.8012, 17.1972,
58.5591

71.5615, 88.7173,
70.4804

71.5615, 88.7173,
70.4805

Harmonies

Analogous

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



40.8387, 37.4478, 77.8034



45.9263, 37.4478, 61.9343



48.2452, 37.4478, 43.0970

Triad

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



45.9263, 37.4478, 61.9343



36.3950, 37.4478, 16.0748



26.2833, 37.4478, 56.8614

Complementary

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



45.9263, 37.4478, 61.9343



38.3823, 51.2510, 34.6596

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.



25.3722, 37.4478, 38.5366



45.9263, 37.4478, 61.9343



30.8169, 37.4478, 17.8756

Square

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



45.9263, 37.4478, 61.9343



42.3686, 37.4478, 19.2239



26.9390, 37.4478, 25.0833



29.5813, 37.4478, 74.3483

Rectangle

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



45.9263, 37.4478, 61.9343



47.7389, 37.4478, 32.4052



26.9390, 37.4478, 25.0833



25.7046, 37.4478, 50.4729

Sweetspot

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



45.9275, 37.4494, 61.9351



88.1607, 86.2214, 106.6034



32.7032, 30.6321, 61.3165



18.6488, 18.0124, 22.7438



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.



45.9275, 37.4494, 61.9351



72.8807, 55.6616, 101.5098



42.7174, 36.1654, 45.0311



11.6876, 11.4038, 14.1555



22.5334, 10.8240, 36.8573



1.1625, 0.5584, 1.9014

Inverse Universe

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



45.9275, 37.4494, 61.9351



72.8807, 55.6616, 101.5098



40.9602, 52.2821, 48.2346



11.6876, 11.4038, 14.1555



22.5334, 10.8240, 36.8573



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 45.9263, 37.4478, 61.9343 looks on a white background.

Color Contrast Check

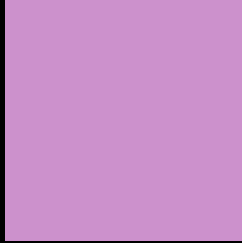
Large Text (above 18pt) WCAG AA × Fail

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 45.9263, 37.4478, 61.9343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

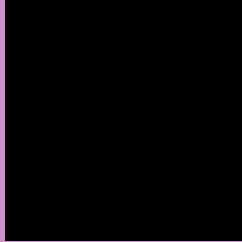
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9263, 37.4478, 61.9343

Background



This preview shows how black text looks on a background with the XYZ color 45.9263, 37.4478, 61.9343.



This preview shows how white text looks on a background with the XYZ color 45.9263, 37.4478, 61.9343.

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

45.9263, 37.4478, 61.9343

Protanopia

38.1993, 37.6882, 70.9069

Deuteranopia

38.3917, 37.4933, 60.4718



Tritanopia

41.6453, 37.6049, 40.1855

Trichromacy



Original Color

45.9263, 37.4478, 61.9343

Protanomaly

40.3497, 37.0764, 67.3172

Deuteranomaly

40.7421, 37.1719, 60.9047

Tritanomaly

43.1304, 37.4849, 47.6099

Monochromacy



Original Color

45.9263, 37.4478, 61.9343

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.3057, 38.4641, 49.5559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9263, 37.4478, 61.9343 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, 145, 204)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 45.9263, 37.4478, 61.9343 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, 145, 204) }
```


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

```
.border{ border-color:rgb(204, 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(204, 145, 204)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 45.9263, 37.4478, 61.9343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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