

Converting Colors

XYZ(46.2429, 37.5122, 66.4343)

Have a look what the booklet for
XYZ(46.2429, 37.5122, 66.4343)
contains.

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Color

**XYZ(46.2404, 37.5105,
66.4311)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CA91D3 |
| RGB | 202, 145, 211 |
| RGB Percent | 79%, 57%, 83% |
| CMY | 0.2078, 0.4314, 0.1725 |
| CMYK | 0.04, 0.31, 0.00, 0.17 |
| HSL | 292°, 43%, 70% |
| HSV | 292°, 31%, 83% |
| XYZ | 46.2404, 37.5105, 66.4311 |
| YIQ | 169.5670, 12.7860, 32.6100 |

Conversions

Conversions Part 2

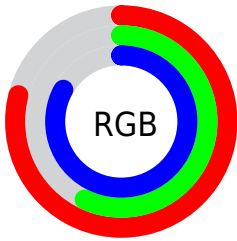
| Format | Color |
|-------------------------------------|--|
| RYB | 202, 145, 211 |
| Decimal | 13275603 |
| CIELab | 67.66, 32.65, -25.39 |
| CIELCh | 68, 41.361, 322.129 |
| Yxy | 37.5105, 0.3079, 0.2498 |
| Android (android.graphics.Color) | 4291465683 (0xFFCA91D3) |
| YUV | 169.5670, 20.4265, 28.4437 |
| Hunter-Lab | 61.2458, 27.5868, -21.4376 |

Details

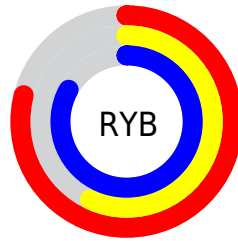
The XYZ color **46.2404, 37.5105, 66.4311** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.7328, 55.5038, 35.3036**, and the grayscale version is **37.8914, 39.8647, 43.4127**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **22.0361, 16.6088, 33.4969** is the 20% darker color. If you saturate the color by 10%, you get **42.5399, 31.2537, 65.4190**, and if you desaturate by 10%, it is **50.5566, 44.9755, 67.6451**.

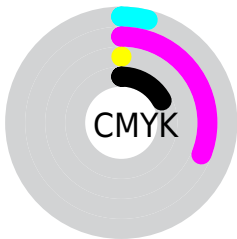
Distribution



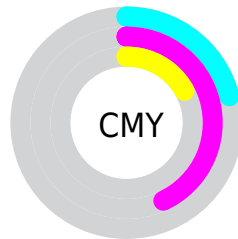
- Red (79%)
- Green (57%)
- Blue (83%)



- Red (79%)
- Yellow (57%)
- Blue (83%)



- Cyan (4%)
- Magenta (31%)
- Yellow (0%)
- Black (17%)





- Cyan (21%)
- Magenta (43%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2404, 37.5105, 66.4311 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 46.2404, 37.5105, 66.4311 by changing the saturation by 10% instead.


 46.2404, 37.5105,
66.4311

 46.2404, 37.5105,
66.4311


362.4741,
335.5155, 466.3633

 32.6410, 25.6030,
48.1638


 83.8043, 71.3572,
115.7377

 22.0095, 16.5269,
33.5957


 108.4996, 94.0653,
147.6141

 13.9805, 9.8977,
22.3083


137.6241,
121.1423, 184.8639

 8.1887, 5.3312,
13.8831

171.5433,
152.9726, 227.9057

 4.2688, 2.4429,
7.9016

210.6226,
189.9407, 277.1580

 1.8553, 0.8478,
3.9452

255.2272,

 0.5506, 0.0000,

232.4309, 333.0393

1.5953

305.7226,
280.8277, 395.9683

■ 0.0000, 0.0000,
0.2875

■ 0.0000, 0.0000,
0.0000

■ 46.2404, 37.5105,
66.4311

■ 46.2404, 37.5105,
66.4311

■ 42.5399, 31.2537,
65.4190

■ 50.5566, 44.9755,
67.6451

■ 39.4181, 26.1337,
64.5953

■ 55.5156, 53.7053,
69.0687

■ 36.8398, 22.0794,
63.9486

■ 61.1472, 63.7584,
70.7123

■ 34.7642, 19.0093,
63.4654

■ 67.4783, 75.1886,
72.5849

■ 33.1446, 16.8302,
63.1302

■ 74.5342, 88.0466,
74.6949

■ 31.9255, 15.4308,
62.9243

■ 76.8111, 91.3243,
75.2075

■ 31.1035, 14.6762,
62.8220

■ 77.6856, 91.7752,
75.2485

■ 78.5752, 92.2338,
75.2901

■ 79.4800, 92.7002,
75.3324

Harmonies

Analogous

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



40.4765, 37.5105, 82.8005



46.2404, 37.5105, 66.4311



49.2383, 37.5105, 45.8454

Triad

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



46.2404, 37.5105, 66.4311



37.3592, 37.5105, 14.9885



25.4529, 37.5105, 55.5589

Complementary

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



46.2404, 37.5105, 66.4311



41.7328, 55.5038, 35.3036

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.



24.8285, 37.5105, 36.2176



46.2404, 37.5105, 66.4311



31.2280, 37.5105, 16.1755

Square

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



46.2404, 37.5105, 66.4311



43.7266, 37.5105, 18.9115



26.8186, 37.5105, 22.8477



28.6392, 37.5105, 75.3301

Rectangle

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



46.2404, 37.5105, 66.4311



49.0422, 37.5105, 33.8960



26.8186, 37.5105, 22.8477



24.9531, 37.5105, 48.6787

Sweetspot

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



46.2416, 37.5121, 66.4319



87.0187, 85.6327, 106.5501



35.1412, 34.1340, 66.3649



18.3652, 17.8662, 22.7305



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.



46.2416, 37.5121, 66.4319



66.8388, 50.5474, 100.8416



46.0568, 37.7278, 52.3763



12.1457, 11.9239, 14.9051



18.8349, 8.8900, 37.9157



1.0979, 0.5202, 2.1221

Inverse Universe

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



42.8233, 36.4344, 35.3489



60.8645, 48.7001, 44.8769



42.0498, 55.4401, 45.5809



11.8734, 11.8341, 12.6094



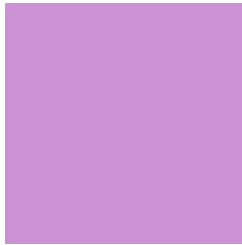
16.3665, 8.4195, 1.5704



0.9370, 0.4795, 0.2029

Previews

White Background



This preview shows how the XYZ color 46.2404, 37.5105, 66.4311 looks on a white background.

Color Contrast Check

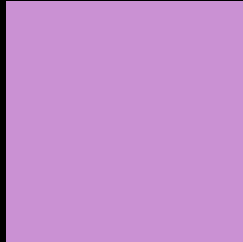
Large Text (above 18pt) WCAG AA × Fail

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 46.2404, 37.5105, 66.4311 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 46.2404, 37.5105, 66.4311

Background



This preview shows how black text looks on a background with the XYZ color 46.2404, 37.5105, 66.4311.



This preview shows how white text looks on a background with the XYZ color 46.2404, 37.5105,

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

46.2404, 37.5105, 66.4311

Protanopia

38.5844, 37.7792, 75.7795

Deuteranopia

38.6036, 37.7657, 64.9294



Tritanopia

41.2035, 37.6001, 41.1623

Trichromacy



Original Color

46.2404, 37.5105, 66.4311



Protanomaly

40.6110, 37.1069, 72.0397



Deuteranomaly

41.0763, 37.4943, 65.3938



Tritanomaly

42.7988, 37.5164, 49.2416

Monochromacy



Original Color

46.2404, 37.5105, 66.4311



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

40.7932, 38.9376, 51.2646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2404, 37.5105, 66.4311 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(202, 145, 211)` looks like.

```
.text, #text, p{  
    color:rgb(202, 145, 211)  
}
```

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(202, 145, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 145, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.2404, 37.5105, 66.4311 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(202, 145, 211) }
```


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

```
.border{ border-color:rgb(202, 145, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 145, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 145, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 145, 211);  
box-shadow:4px 4px 4px 4px rgb(202, 145,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2404, 37.5105, 66.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 145, 211) }
```

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

```
.background{ background-color: rgb(202,  
145, 211) }
```

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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