

Converting Colors

XYZ(46.2210, 35.6152, 72.1484)

Have a look what the booklet for
XYZ(46.2210, 35.6152, 72.1484)
contains.

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Color

**XYZ(46.2210, 35.6152,
72.1484)**

Conversions

Conversions Part 1

Format	Color
Hex	CA89DC
RGB	202, 137, 220
RGB Percent	79%, 54%, 86%
CMY	0.2078, 0.4627, 0.1373
CMYK	0.08, 0.38, 0.00, 0.14
HSL	287°, 54%, 70%
HSV	287°, 38%, 86%
XYZ	46.2210, 35.6152, 72.1484
YIQ	165.8970, 12.0970, 39.5930

Conversions

Conversions Part 2

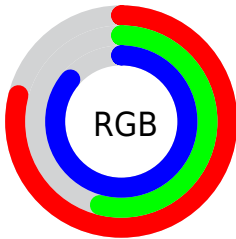
Format	Color
RYB	202, 137, 220
Decimal	13273564
CIELab	66.22, 38.77, -32.60
CIElCh	66, 50.654, 319.948
Yxy	35.6152, 0.3002, 0.2313
Android (android.graphics.Color)	4291463644 (0xFFCA89DC)
YUV	165.8970, 26.6728, 31.6623
Hunter-Lab	59.6785, 33.8110, -29.9038

Details

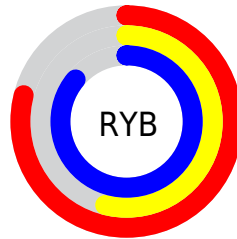
The XYZ color **46.2210, 35.6152, 72.1484** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.6273, 59.9620, 32.9430**, and the grayscale version is **36.0681, 37.9464, 41.3236**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **22.0727, 15.4167, 37.4097** is the 20% darker color. If you saturate the color by 10%, you get **42.1360, 29.3313, 71.1513**, and if you desaturate by 10%, it is **50.9859, 43.1979, 73.3614**.

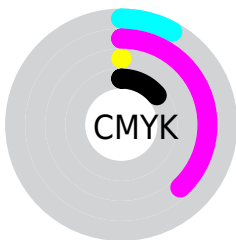
Distribution



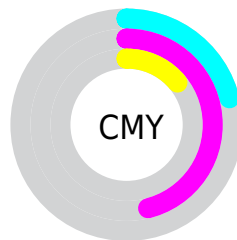
- Red (79%)
- Green (54%)
- Blue (86%)



- Red (79%)
- Yellow (54%)
- Blue (86%)



- Cyan (8%)
- Magenta (38%)
- Yellow (0%)
- Black (14%)





- Cyan (21%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2210, 35.6152, 72.1484 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 46.2210, 35.6152, 72.1484 by changing the saturation by 10% instead.


 46.2210, 35.6152,
72.1484


 46.2210, 35.6152,
72.1484


362.3975,
327.2755, 487.0494


 32.6256, 24.1372,
52.7923


 83.7755, 68.4377,
123.9772

 21.9977, 15.4354,
37.2504


 108.4653, 90.5510,
157.2870

 13.9718, 9.1255,
25.1041


 137.5840,
116.9781, 196.0851

 8.1826, 4.8231,
15.9349

171.4968,
148.1035, 240.7901

 4.2648, 2.1439,
9.3243

210.5693,
184.3115, 291.8204

 1.8530, 0.6891,
4.8536

255.1666,

 0.5493, 0.0000,

225.9866, 349.5947

2.1044

305.6542,
273.5132, 414.5316

■ 0.0000, 0.0000,
0.6184

■ 0.0000, 0.0000,
0.0000

■ 46.2210, 35.6152,
72.1484

■ 46.2210, 35.6152,
72.1484

■ 42.1360, 29.3313,
71.1513

■ 50.9859, 43.1979,
73.3614

■ 38.6878, 24.2633,
70.3549

■ 56.4632, 52.1463,
74.7999

■ 35.8342, 20.3262,
69.7453

■ 62.6874, 62.5284,
76.4758

■ 33.5256, 17.4214,
69.3063

■ 69.6898, 74.4060,
78.3994

■ 31.7040, 15.4337,
69.0186

■ 77.4998, 87.8375,
80.5803

■ 30.2893, 14.2030,
68.8557

■ 81.5134, 93.6145,
81.4838

■ 29.9953, 13.9708,
68.8263

■ 83.0713, 94.4175,
81.5567

■ 84.6714, 95.2424,
81.6316

■ 86.3141, 96.0893,
81.7085

Harmonies

Analogous

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



39.0483, 35.6152, 92.4456



46.2210, 35.6152, 72.1484



50.2482, 35.6152, 46.4962

Triad

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



46.2210, 35.6152, 72.1484



36.4483, 35.6152, 10.5604



21.9586, 35.6152, 54.7592

Complementary

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



46.2210, 35.6152, 72.1484



43.6273, 59.9620, 32.9430

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.



21.4766, 35.6152, 31.9665



46.2210, 35.6152, 72.1484



29.1370, 35.6152, 11.3595

Square

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



46.2210, 35.6152, 72.1484



44.0762, 35.6152, 14.8696



23.9123, 35.6152, 17.7093



25.3441, 35.6152, 80.0930

Rectangle

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



46.2210, 35.6152, 72.1484



50.2541, 35.6152, 32.0322



23.9123, 35.6152, 17.7093



21.4732, 35.6152, 46.4121

Sweetspot

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



46.2222, 35.6167, 72.1492



84.5427, 82.2553, 106.0287



35.1863, 34.3875, 72.4936



17.8382, 17.1759, 22.6251



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.



46.2222, 35.6167, 72.1492



60.1345, 42.8913, 99.7171



48.6396, 37.1795, 57.9593



13.3237, 13.1250, 16.4833



17.7017, 8.2497, 40.3978



1.2168, 0.5706, 2.6204

Inverse Universe

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



44.3784, 35.4750, 35.5203



57.4585, 42.8109, 40.8969



42.1805, 59.0135, 42.0308



13.1710, 13.0975, 14.1620



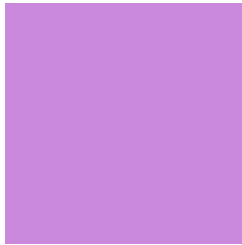
17.6657, 9.0673, 2.6195



1.1767, 0.6003, 0.3397

Previews

White Background



This preview shows how the XYZ color 46.2210, 35.6152, 72.1484 looks on a white background.

Color Contrast Check

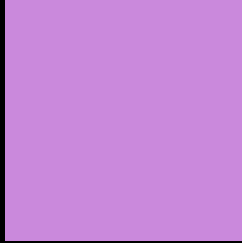
Large Text (above 18pt) WCAG AA × Fail

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 46.2210, 35.6152, 72.1484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

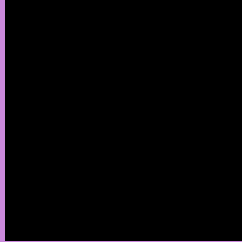
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2210, 35.6152, 72.1484

Background



This preview shows how black text looks on a background with the XYZ color 46.2210, 35.6152, 72.1484.



This preview shows how white text looks on a background with the XYZ color 46.2210, 35.6152,

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

46.2210, 35.6152, 72.1484

Protanopia

37.6759, 36.0616, 85.0956

Deuteranopia

36.8254, 35.9572, 69.9653



Tritanopia

39.1728, 35.4056, 38.4875

Trichromacy



Original Color

46.2210, 35.6152, 72.1484



Protanomaly

39.7885, 35.2737, 80.3127



Deuteranomaly

39.5273, 35.3585, 70.3872



Tritanomaly

41.3338, 35.3640, 48.9034

Monochromacy



Original Color

46.2210, 35.6152, 72.1484



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.1747, 36.5716, 51.4487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2210, 35.6152, 72.1484 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, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(202, 137, 220)  
}
```

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, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 137, 220) }
```

Border

The CSS property to change the border of an element to XYZ 46.2210, 35.6152, 72.1484 is called "border". The border property can be set on classes, ids or directly on the HTML element.

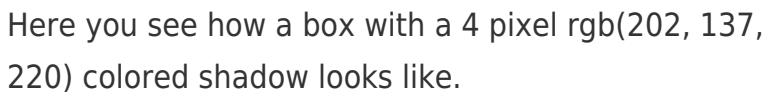
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 137, 220) }
```


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

```
.border{ border-color:rgb(202, 137, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(202, 137, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(202, 137,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2210, 35.6152, 72.1484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 137, 220) }
```

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

```
.background{ background-color: rgb(202,  
137, 220) }
```

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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