

Converting Colors

XYZ(41.5301, 36.6459, 46.3629)

Have a look what the booklet for
XYZ(41.5301, 36.6459, 46.3629)
contains.

XYZ(41.6071, 36.7228, 46.4902)	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(41.6071, 36.7228,
46.4902)**

Conversions

Conversions Part 1

Format	Color
Hex	C496B1
RGB	196, 150, 177
RGB Percent	77%, 59%, 69%
CMY	0.2314, 0.4117, 0.3059
CMYK	0.00, 0.23, 0.10, 0.23
HSL	325°, 28%, 68%
HSV	325°, 23%, 77%
XYZ	41.6071, 36.7228, 46.4902
YIQ	166.8320, 18.7490, 18.1490

Conversions

Conversions Part 2

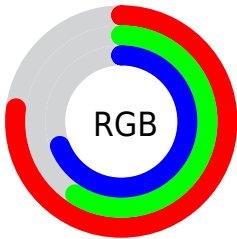
Format	Color
RYB	196, 150, 177
Decimal	12883633
CIELab	67.07, 21.59, -7.38
CIELCh	67, 22.819, 341.130
Yxy	36.7228, 0.3333, 0.2942
Android (android.graphics.Color)	4291073713 (0xFFC496B1)
YUV	166.8320, 5.0128, 25.5803
Hunter-Lab	60.5993, 16.5081, -3.0662

Details

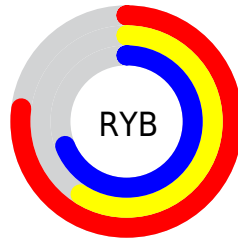
The XYZ color **41.6071, 36.7228, 46.4902** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.4805, 48.8295, 44.8826**, and the grayscale version is **36.6197, 38.5268, 41.9557**.

A 20% lighter version of the original color is **76.8089, 69.9516, 86.5445**, and **19.2553, 16.1297, 21.1673** is the 20% darker color. If you saturate the color by 10%, you get **37.9542, 30.6700, 41.4086**, and if you desaturate by 10%, it is **45.8332, 43.8443, 51.9999**.

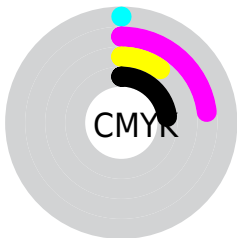
Distribution



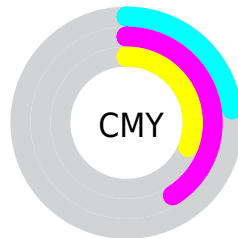
- Red (77%)
- Green (59%)
- Blue (69%)



- Red (77%)
- Yellow (59%)
- Blue (69%)



- Cyan (0%)
- Magenta (23%)
- Yellow (10%)
- Black (23%)





- Cyan (23%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6071, 36.7228, 46.4902 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 41.6071, 36.7228, 46.4902 by changing the saturation by 10% instead.


 41.6071, 36.7228,
46.4902


 41.6071, 36.7228,
46.4902

343.8710,
332.1088, 389.1106

 28.9835, 24.9929,
32.2814


 76.8735, 70.1462,
86.2941

 19.2126, 16.0718,
21.3099


 100.2471, 92.6086,
112.7263

 11.9289, 9.5750,
13.1573


127.9347,
119.4173, 144.0701

 6.7671, 5.1181,
7.4049

160.3018,
150.9566, 180.7439

 3.3619, 2.3167,
3.6343

197.7136,
187.6111, 223.1663

 1.3479, 0.7825,
1.4270

240.5355,

 0.2187, 0.0000,

229.7650, 271.7558

0.1626

289.1328,
277.8028, 326.9311

■ 0.0000, 0.0000,
0.0000

■ 41.6071, 36.7228,
46.4902

■ 41.6071, 36.7228,
46.4902

■ 37.9542, 30.6700,
41.4086

■ 45.8332, 43.8443,
51.9999

■ 34.8444, 25.6286,
36.7399

■ 50.6541, 52.0782,
57.9477

■ 32.2497, 21.5435,
32.4709

■ 56.0946, 61.4719,
64.3461

■ 30.1383, 18.3521,
28.5867

■ 62.1767, 72.0684,
71.2062

■ 28.4743, 15.9846,
25.0710

■ 68.9214, 83.9088,
78.5387

■ 27.2168, 14.3605,
21.9056

■ 72.1949, 88.7238,
84.9693

■ 26.3166, 13.3827,
19.0694

■ 73.3298, 89.1777,
90.9457

■ 25.8618, 12.9745,
17.3722

■ 74.5179, 89.6530,
97.2020

■ 75.7598, 90.1497,
103.7417

Harmonies

Analogous

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



39.4800, 36.7228, 56.1772



41.6071, 36.7228, 46.4902



41.8698, 36.7228, 36.4079

Triad

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



41.6071, 36.7228, 46.4902



33.6315, 36.7228, 24.0111



30.1148, 36.7228, 53.9197

Complementary

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



41.6071, 36.7228, 46.4902



39.4805, 48.8295, 44.8826

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.



28.7570, 36.7228, 43.7888



41.6071, 36.7228, 46.4902



30.6958, 36.7228, 27.2478

Square

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



41.6071, 36.7228, 46.4902



37.1071, 36.7228, 24.4895



28.9624, 36.7228, 34.1166



32.7898, 36.7228, 60.9333

Rectangle

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



41.6071, 36.7228, 46.4902



40.9336, 36.7228, 30.8959



28.9624, 36.7228, 34.1166



29.4975, 36.7228, 50.7016

Sweetspot

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



41.6082, 36.7244, 46.4910



88.4530, 88.6694, 100.9564



37.1054, 34.1689, 56.8646



18.8165, 18.7804, 21.4663



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.



41.6082, 36.7244, 46.4910



71.9573, 60.8389, 79.5473



39.5555, 35.9034, 35.6817



10.3156, 10.1748, 11.7523



16.6609, 8.3541, 11.3922



0.7535, 0.3744, 0.6693

Inverse Universe

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



41.6082, 36.7244, 46.4910



71.9573, 60.8389, 79.5473



41.7669, 49.7440, 56.9222



10.3156, 10.1748, 11.7523



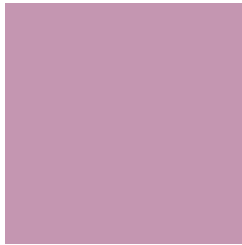
16.6609, 8.3541, 11.3922



0.7535, 0.3744, 0.6693

Previews

White Background



This preview shows how the XYZ color 41.6071, 36.7228, 46.4902 looks on a white background.

Color Contrast Check

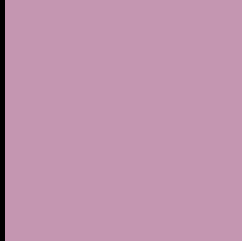
Large Text (above 18pt) WCAG AA × Fail

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 41.6071, 36.7228, 46.4902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

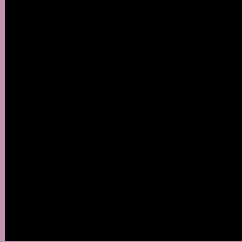
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6071, 36.7228, 46.4902

Background



This preview shows how black text looks on a background with the XYZ color 41.6071, 36.7228, 46.4902.



This preview shows how white text looks on a background with the XYZ color 41.6071, 36.7228,

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

41.6071, 36.7228, 46.4902

Protanopia

36.1745, 36.8170, 51.0987

Deuteranopia

37.5916, 36.8901, 45.6967



Tritanopia

40.1772, 36.6061, 40.0701

Trichromacy



Original Color

41.6071, 36.7228, 46.4902

Protanomaly

37.9039, 36.7154, 49.3450

Deuteranomaly

39.0163, 36.8566, 46.1319

Tritanomaly

40.7337, 36.5999, 42.4537

Monochromacy



Original Color

41.6071, 36.7228, 46.4902

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.4557, 37.8950, 43.8157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6071, 36.7228, 46.4902 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(196, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(196, 150, 177)  
}
```

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(196, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 150, 177) }
```

Border

The CSS property to change the border of an element to XYZ 41.6071, 36.7228, 46.4902 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(196, 150, 177) }
```


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

```
.border{ border-color:rgb(196, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 150, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 150, 177);  
box-shadow:4px 4px 4px 4px rgb(196, 150,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6071, 36.7228, 46.4902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 150, 177) }
```

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

```
.background{ background-color: rgb(196,  
150, 177) }
```

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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