

Converting Colors

XYZ(46.2443, 40.3672, 60.3910)

Have a look what the booklet for
XYZ(46.2443, 40.3672, 60.3910)
contains.

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Color

**XYZ(46.2505, 40.2733,
60.5942)**

Conversions

Conversions Part 1

Format	Color
Hex	C89CC9
RGB	200, 156, 201
RGB Percent	78%, 61%, 79%
CMY	0.2157, 0.3882, 0.2118
CMYK	0.00, 0.22, 0.00, 0.21
HSL	299°, 29%, 70%
HSV	299°, 22%, 79%
XYZ	46.2505, 40.2733, 60.5942
YIQ	174.2860, 11.7790, 23.3230

Conversions

Conversions Part 2

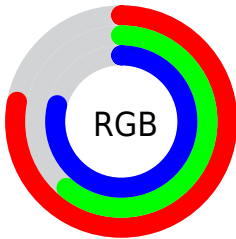
Format	Color
R _Y B	200, 156, 201
Decimal	13147337
CIE Lab	69.66, 24.03, -16.81
CIE LCh	70, 29.331, 325.028
Yxy	40.2733, 0.3144, 0.2737
Android (android.graphics.Color)	4291337417 (0xFFC89CC9)
YUV	174.2860, 13.1700, 22.5512
Hunter-Lab	63.4612, 19.0335, -12.1885

Details

The XYZ color **46.2505, 40.2733, 60.5942** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.7934, 51.3427, 39.2145**, and the grayscale version is **40.3103, 42.4095, 46.1840**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **22.0708, 18.1182, 29.9377** is the 20% darker color. If you saturate the color by 10%, you get **43.0341, 34.0166, 59.5567**, and if you desaturate by 10%, it is **50.0278, 47.6499, 61.8195**.

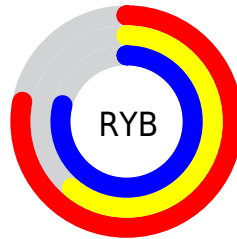
Distribution



Red (78%)

Green (61%)

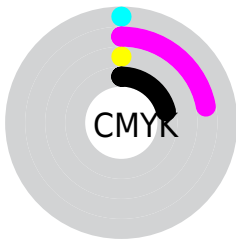
Blue (79%)



Red (78%)

Yellow (61%)

Blue (79%)

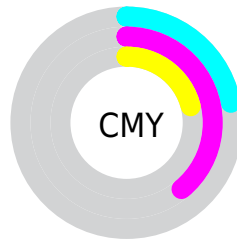


Cyan (0%)

Magenta (22%)

Yellow (0%)

Black (21%)



Cyan (22%)


Magenta (39%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2505, 40.2733, 60.5942 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 46.2505, 40.2733, 60.5942 by changing the saturation by 10% instead.


 46.2505, 40.2733,
60.5942


 46.2505, 40.2733,
60.5942


362.5139,
347.2741, 444.6498

 32.6490, 27.7517,
43.4693


 83.8193, 75.5795,
107.2429

 22.0156, 18.1386,
29.9194


 108.5174, 99.1329,
137.6039

 13.9851, 11.0495,
19.5259


137.6450,
127.1323, 173.2140

 8.1919, 6.1002,
11.8702

171.5675,
159.9622, 214.4917

 4.2708, 2.9061,
6.5339

210.6503,
198.0070, 261.8556

 1.8565, 1.0829,
3.0984

255.2588,

 0.5513, 0.0000,

241.6509, 315.7242

1.1451

305.7582,
291.2785, 376.5161

■ 0.0000, 0.0000,
0.0000

■ 46.2505, 40.2733,
60.5942

■ 46.2505, 40.2733,
60.5942

■ 43.0341, 34.0166,
59.5567

■ 50.0278, 47.6499,
61.8195

■ 40.3476, 28.8197,
58.6951

■ 54.3879, 56.1922,
63.2386

■ 38.1622, 24.6249,
58.0006

■ 59.3559, 65.9499,
64.8601

■ 36.4455, 21.3666,
57.4622

■ 64.9545, 76.9683,
66.6918

■ 35.1608, 18.9720,
57.0677

■ 70.7232, 88.3263,
68.5801

■ 34.2662, 17.3570,
56.8031

■ 70.8444, 88.3888,
68.5858

■ 33.7114, 16.4210,
56.6517

■ 70.9659, 88.4514,
68.5915

■ 33.4474, 16.0249,
56.5892

■ 71.0878, 88.5142,
68.5972

■ 71.2100, 88.5773,
68.6029

Harmonies

Analogous

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



42.2688, 40.2733, 72.0376



46.2505, 40.2733, 60.5942



48.1044, 40.2733, 46.1544

Triad

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



46.2505, 40.2733, 60.5942



39.0747, 40.2733, 22.6339



30.5937, 40.2733, 55.8575

Complementary

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



46.2505, 40.2733, 60.5942



40.7934, 51.3427, 39.2145

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.



29.8911, 40.2733, 41.6251



46.2505, 40.2733, 60.5942



34.5477, 40.2733, 24.1831

Square

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



46.2505, 40.2733, 60.5942



43.7488, 40.2733, 25.7381



31.2797, 40.2733, 30.5163



33.2844, 40.2733, 68.9307

Rectangle

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



46.2505, 40.2733, 60.5942



47.7818, 40.2733, 37.4199



31.2797, 40.2733, 30.5163



30.1271, 40.2733, 50.9793

Sweetspot

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



46.2517, 40.2751, 60.5951



89.4719, 89.0601, 107.0824



36.3963, 35.5704, 60.2064



19.0529, 18.8710, 22.8882



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.



46.2517, 40.2751, 60.5951



76.3201, 63.3721, 102.8173



44.2153, 39.4914, 48.4736



11.0589, 10.8042, 13.4200



21.0411, 10.0814, 35.5813



1.0039, 0.4812, 1.6851

Inverse Universe

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



42.0630, 38.6305, 37.1395



67.8731, 60.0581, 55.4110



42.5341, 52.0165, 49.3948



10.6433, 10.6407, 11.1047



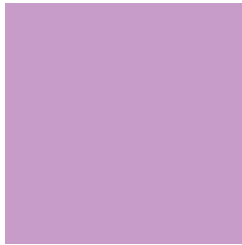
15.1651, 7.8156, 0.8134



0.7215, 0.3714, 0.0564

Previews

White Background



This preview shows how the XYZ color 46.2505, 40.2733, 60.5942 looks on a white background.

Color Contrast Check

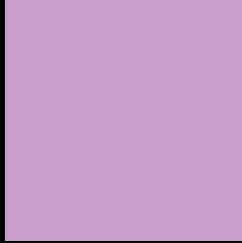
Large Text (above 18pt) WCAG AA × Fail

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 46.2505, 40.2733, 60.5942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

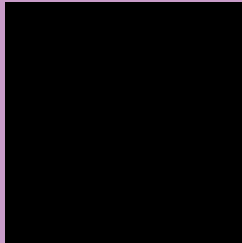
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2505, 40.2733, 60.5942

Background



This preview shows how black text looks on a background with the XYZ color 46.2505, 40.2733, 60.5942.



This preview shows how white text looks on a background with the XYZ color 46.2505, 40.2733,

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

46.2505, 40.2733, 60.5942

Protanopia

40.5188, 40.6061, 66.6750

Deuteranopia

41.1786, 40.2802, 59.6373



Tritanopia

43.1498, 40.2815, 45.5453

Trichromacy



Original Color

46.2505, 40.2733, 60.5942

Protanomaly

42.2171, 40.1699, 64.5600

Deuteranomaly

42.8741, 40.0781, 60.1197

Tritanomaly

44.0758, 40.1273, 50.7697

Monochromacy



Original Color

46.2505, 40.2733, 60.5942

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.9989, 41.1654, 51.0795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2505, 40.2733, 60.5942 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(200, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(200, 156, 201)  
}
```

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(200, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 156, 201) }
```

Border

The CSS property to change the border of an element to XYZ 46.2505, 40.2733, 60.5942 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(200, 156, 201) }
```


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

```
.border{ border-color:rgb(200, 156, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 156, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(200, 156,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2505, 40.2733, 60.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 156, 201) }
```

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

```
.background{ background-color: rgb(200,  
156, 201) }
```

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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