

Converting Colors

XYZ(46.6248, 41.8775, 66.6218)

Have a look what the booklet for
XYZ(46.6248, 41.8775, 66.6218)
contains.

XYZ(46.5455, 41.8313, 66.5938)	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(46.5455, 41.8313,
66.5938)**

Conversions

Conversions Part 1

Format	Color
Hex	C1A2D2
RGB	193, 162, 210
RGB Percent	76%, 64%, 82%
CMY	0.2431, 0.3647, 0.1765
CMYK	0.08, 0.23, 0.00, 0.18
HSL	279°, 35%, 73%
HSV	279°, 23%, 82%
XYZ	46.5455, 41.8313, 66.5938
YIQ	176.7410, 3.0680, 21.5000

Conversions

Conversions Part 2

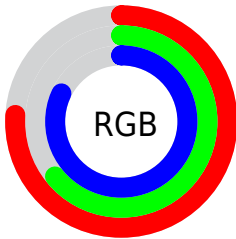
Format	Color
RYB	193, 162, 210
Decimal	12690130
CIELab	70.75, 20.17, -20.19
CIElCh	71, 28.538, 314.967
Yxy	41.8313, 0.3004, 0.2699
Android (android.graphics.Color)	4290880210 (0xFFC1A2D2)
YUV	176.7410, 16.3967, 14.2591
Hunter-Lab	64.6771, 15.2742, -15.7730

Details

The XYZ color **46.5455, 41.8313, 66.5938** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.1601, 58.2866, 42.8966**, and the grayscale version is **41.5709, 43.7358, 47.6283**.

A 20% lighter version of the original color is **82.2872, 77.1697, 105.1660**, and **22.1398, 19.0074, 33.5122** is the 20% darker color. If you saturate the color by 10%, you get **41.3024, 34.0888, 65.3763**, and if you desaturate by 10%, it is **52.5043, 50.8620, 68.0235**.

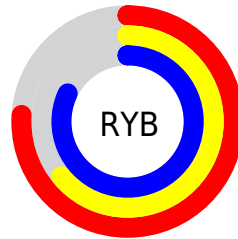
Distribution



Red (76%)

Green (64%)

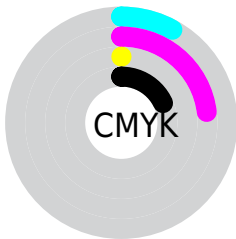
Blue (82%)



Red (76%)

Yellow (64%)

Blue (82%)

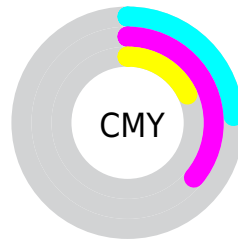


Cyan (8%)

Magenta (23%)

Yellow (0%)

Black (18%)



Cyan (24%)


Magenta (36%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5455, 41.8313, 66.5938 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 46.5455, 41.8313, 66.5938 by changing the saturation by 10% instead.


 46.5455, 41.8313,
66.5938

 46.5455, 41.8313,
66.5938


363.6767,
353.7831, 466.9596

 32.8829, 28.9692,
48.2951


 84.2577, 77.9442,
115.9733

 22.1956, 19.0575,
33.6990


 109.0380,
101.9639, 147.8911

 14.1181, 11.7119,
22.3869


138.2550,
130.4715, 185.1858

 8.2851, 6.5478,
13.9405

172.2739,
163.8515, 228.2757

 4.3312, 3.1809,
7.9410

211.4602,
202.4883, 277.5795

 1.8912, 1.2269,
3.9700

256.1792,

 0.5717, 0.0835,

246.7662, 333.5158

1.6089

306.7962,
297.0697, 396.5029

■ 0.0000, 0.0000,
0.2972

■ 0.0000, 0.0000,
0.0000

■ 46.5455, 41.8313,
66.5938

■ 46.5455, 41.8313,
66.5938

■ 41.3024, 34.0888,
65.3763

■ 52.5043, 50.8620,
68.0235

■ 36.7390, 27.5670,
64.3580

■ 59.2049, 61.2332,
69.6722

■ 32.8219, 22.2006,
63.5286

■ 66.6764, 73.0010,
71.5498

■ 29.5132, 17.9155,
62.8759

■ 74.9455, 86.2164,
73.6648

■ 26.7703, 14.6291,
62.3861

■ 80.0873, 93.0277,
74.7085

■ 24.5446, 12.2461,
62.0435

■ 82.5282, 94.2861,
74.8227

■ 22.7776, 10.6521,
61.8290

■ 85.0723, 95.5976,
74.9418

■ 21.7252, 9.8559,
61.7307

■ 87.7207, 96.9629,
75.0657

■ 88.6330, 97.4332,
75.1084

Harmonies

Analogous

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



42.1569, 41.8313, 75.6598



46.5455, 41.8313, 66.5938



49.2145, 41.8313, 52.6493

Triad

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



46.5455, 41.8313, 66.5938



42.1675, 41.8313, 24.7239



31.5978, 41.8313, 52.6171

Complementary

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



46.5455, 41.8313, 66.5938



48.1601, 58.2866, 42.8966

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.



31.6002, 41.8313, 39.1143



46.5455, 41.8313, 66.5938



37.4545, 41.8313, 24.7187

Square

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



46.5455, 41.8313, 66.5938



46.5538, 41.8313, 29.4961



33.6672, 41.8313, 29.4802



33.6605, 41.8313, 66.5663

Rectangle

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



46.5455, 41.8313, 66.5938



49.5350, 41.8313, 43.3272



33.6672, 41.8313, 29.4802



31.3628, 41.8313, 47.8417

Sweetspot

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



46.5468, 41.8331, 66.5947



87.3298, 87.9559, 106.9821



42.7754, 44.8176, 67.3696



18.5557, 18.6147, 22.8650



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.



46.5468, 41.8331, 66.5947



68.4713, 59.3259, 102.4500



50.3511, 43.8845, 62.6932



11.8876, 11.7909, 14.8930



13.3647, 6.0700, 37.6597



0.8317, 0.3829, 2.1096

Inverse Universe

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



47.6368, 42.7988, 48.4001



70.5302, 61.1209, 69.4032



45.0536, 56.6178, 45.7972



11.9792, 11.8764, 13.1663



17.0177, 8.6799, 4.9994



0.9889, 0.5003, 0.4761

Previews

White Background



This preview shows how the XYZ color 46.5455, 41.8313, 66.5938 looks on a white background.

Color Contrast Check

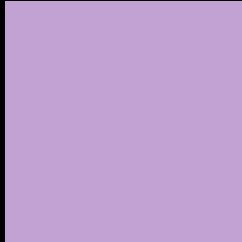
Large Text (above 18pt) WCAG AA × Fail

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 46.5455, 41.8313, 66.5938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

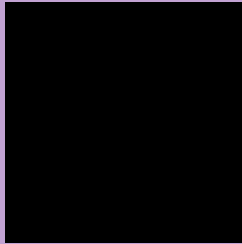
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5455, 41.8313, 66.5938

Background



This preview shows how black text looks on a background with the XYZ color 46.5455, 41.8313, 66.5938.



This preview shows how white text looks on a background with the XYZ color 46.5455, 41.8313,

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

46.5455, 41.8313, 66.5938

Protanopia

41.9876, 41.8170, 71.5041

Deuteranopia

42.9302, 41.8636, 66.1394



Tritanopia

42.7960, 41.6241, 48.9587

Trichromacy



Original Color

46.5455, 41.8313, 66.5938

Protanomaly

43.3738, 41.7445, 69.3898

Deuteranomaly

43.9672, 41.5792, 66.0299

Tritanomaly

44.0943, 41.6190, 54.9995

Monochromacy



Original Color

46.5455, 41.8313, 66.5938

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.4663, 43.2465, 54.2006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5455, 41.8313, 66.5938 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(193, 162, 210)` looks like.

```
.text, #text, p{  
    color:rgb(193, 162, 210)  
}
```

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(193, 162, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 162, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.5455, 41.8313, 66.5938 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(193, 162, 210) }
```


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

```
.border{ border-color:rgb(193, 162, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 162, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 162, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 162, 210);  
box-shadow:4px 4px 4px 4px rgb(193, 162,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5455, 41.8313, 66.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 162, 210) }
```

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

```
.background{ background-color: rgb(193,  
162, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor