

Converting Colors

XYZ(45.8892, 42.7318, 72.4668)

Have a look what the booklet for
XYZ(45.8892, 42.7318, 72.4668)
contains.

XYZ(45.7650, 42.6445, 72.1488)	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(45.7650, 42.6445,
72.1488)**

Conversions

Conversions Part 1

Format	Color
Hex	B6A7DA
RGB	182, 167, 218
RGB Percent	71%, 65%, 85%
CMY	0.2863, 0.3451, 0.1451
CMYK	0.17, 0.23, 0.00, 0.15
HSL	258°, 41%, 75%
HSV	258°, 23%, 85%
XYZ	45.7650, 42.6445, 72.1488
YIQ	177.2990, -7.4310, 19.0410

Conversions

Conversions Part 2

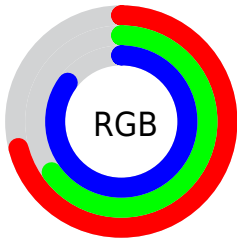
Format	Color
RYB	182, 167, 218
Decimal	11970522
CIELab	71.31, 15.54, -23.82
CIELCh	71, 28.446, 303.125
Yxy	42.6445, 0.2850, 0.2656
Android (android.graphics.Color)	4290160602 (0xFFB6A7DA)
YUV	177.2990, 20.0656, 4.1228
Hunter-Lab	65.3028, 10.8152, -19.7938

Details

The XYZ color **45.7650, 42.6445, 72.1488** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.6765, 65.6304, 46.2420**, and the grayscale version is **41.8488, 44.0282, 47.9467**.

A 20% lighter version of the original color is **79.4312, 77.6397, 105.4072**, and **21.7949, 19.5729, 37.2796** is the 20% darker color. If you saturate the color by 10%, you get **38.6664, 33.5486, 70.7679**, and if you desaturate by 10%, it is **53.9389, 53.2961, 73.7746**.

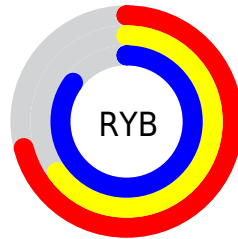
Distribution



Red (71%)

Green (65%)

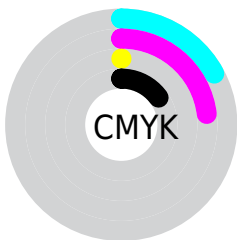
Blue (85%)



Red (71%)

Yellow (65%)

Blue (85%)

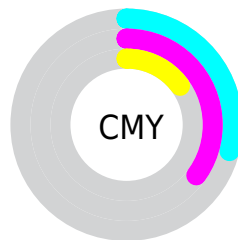


Cyan (17%)

Magenta (23%)

Yellow (0%)

Black (15%)



Cyan (29%)


Magenta (35%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7650, 42.6445, 72.1488 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 45.7650, 42.6445, 72.1488 by changing the saturation by 10% instead.


 45.7650, 42.6445,
72.1488


 45.7650, 42.6445,
72.1488

360.5949,
357.1477, 487.0508

 32.2643, 29.6063,
52.7927


 83.0972, 79.1741,
123.9777

 21.7199, 19.5399,
37.2507


 107.6594,
103.4343, 157.2876

 13.7667, 12.0611,
25.1043


136.6394,
132.2040, 196.0859

 8.0392, 6.7853,
15.9351

170.4027,
165.8674, 240.7909

 4.1721, 3.3282,
9.3244

209.3145,
204.8092, 291.8214

 1.7999, 1.3054,
4.8537

253.7402,

 0.5176, 0.1454,

249.4135, 349.5959

2.1044

304.0452,
300.0649, 414.5328

■ 0.0000, 0.0000,
0.6184

■ 0.0000, 0.0000,
0.0000

■ 45.7650, 42.6445,
72.1488

■ 45.7650, 42.6445,
72.1488

■ 38.6664, 33.5486,
70.7679

■ 53.9389, 53.2961,
73.7746

■ 32.5924, 25.9291,
69.6174

■ 63.2278, 65.5673,
75.6537

■ 27.4942, 19.7075,
68.6852

■ 73.6739, 79.5247,
77.7971

■ 23.3172, 14.7957,
67.9573

■ 85.3165, 95.2294,
80.2148

■ 20.0008, 11.0953,
67.4178

■ 89.6550, 97.8420,
80.4904

■ 17.4764, 8.4932,
67.0486

■ 15.6632, 6.8540,
66.8278

■ 14.7767, 6.1558,
66.7397

Harmonies

Analogous

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



41.0354, 42.6445, 77.9857



45.7650, 42.6445, 72.1488



49.2955, 42.6445, 59.3765

Triad

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



45.7650, 42.6445, 72.1488



44.8305, 42.6445, 26.6890



32.0305, 42.6445, 47.8822

Complementary

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



45.7650, 42.6445, 72.1488



56.6765, 65.6304, 46.2420

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.



32.8746, 42.6445, 35.5214



45.7650, 42.6445, 72.1488



40.0334, 42.6445, 24.7973

Square

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



45.7650, 42.6445, 72.1488



48.7269, 42.6445, 33.4830



35.7145, 42.6445, 27.6932



33.3122, 42.6445, 62.3527

Rectangle

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



45.7650, 42.6445, 72.1488



50.3588, 42.6445, 49.6553



35.7145, 42.6445, 27.6932



32.0753, 42.6445, 43.3525

Sweetspot

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



45.7664, 42.6463, 72.1498



85.1329, 86.8233, 106.8793



50.0787, 56.2509, 74.5484



18.0471, 18.3525, 22.8412



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.



45.7664, 42.6463, 72.1498



60.1737, 54.2571, 101.9089



52.1931, 45.9594, 72.4505



12.6968, 12.8018, 16.4539



8.9466, 3.7363, 39.9880



0.6646, 0.2859, 2.5946

Inverse Universe

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



53.5131, 46.8564, 62.7256



73.1490, 61.3156, 85.8228



50.4194, 62.4048, 45.9491



13.4427, 13.2062, 15.5924



20.8601, 10.3451, 19.4412



1.3884, 0.6850, 1.4543

Previews

White Background



This preview shows how the XYZ color 45.7650, 42.6445, 72.1488 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 45.7650, 42.6445, 72.1488 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 45.7650, 42.6445, 72.1488

Background



This preview shows how black text looks on a background with the XYZ color 45.7650, 42.6445, 72.1488.



This preview shows how white text looks on a background with the XYZ color 45.7650, 42.6445,

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

45.7650, 42.6445, 72.1488

Protanopia

43.0287, 42.8424, 75.1088

Deuteranopia

43.6649, 42.6816, 71.5826



Tritanopia

41.9380, 42.7794, 52.5013

Trichromacy



Original Color

45.7650, 42.6445, 72.1488

Protanomaly

43.9762, 42.7813, 74.3464

Deuteranomaly

44.3547, 42.7579, 71.5610

Tritanomaly

43.3464, 42.7867, 59.4001

Monochromacy



Original Color

45.7650, 42.6445, 72.1488

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.0484, 43.2766, 55.9535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7650, 42.6445, 72.1488 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(182, 167, 218)` looks like.

```
.text, #text, p{  
    color:rgb(182, 167, 218)  
}
```

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(182, 167, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 167, 218) }
```

Border

The CSS property to change the border of an element to XYZ 45.7650, 42.6445, 72.1488 is called "border". The border property can be set on classes, ids or directly on the HTML element.

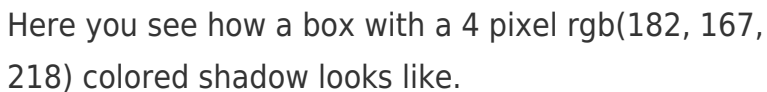
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 167, 218) }
```


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

```
.border{ border-color:rgb(182, 167, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 167, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 167, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 167, 218); box-shadow:4px 4px 4px 4px rgb(182, 167, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7650, 42.6445, 72.1488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 167, 218) }
```

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

```
.background{ background-color: rgb(182,  
167, 218) }
```

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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