

Converting Colors

XYZ(63.4084, 45.1908, 72.2286)

Have a look what the booklet for
XYZ(63.4084, 45.1908, 72.2286)
contains.

XYZ(63.4043, 45.1306, 72.3871)	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(63.4043, 45.1306,
72.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8CDB
RGB	255, 140, 219
RGB Percent	100%, 55%, 86%
CMY	0.0000, 0.4510, 0.1412
CMYK	0.00, 0.45, 0.14, 0.00
HSL	319°, 100%, 77%
HSV	319°, 45%, 100%
XYZ	63.4043, 45.1306, 72.3871
YIQ	183.3910, 43.1810, 48.9490

Conversions

Conversions Part 2

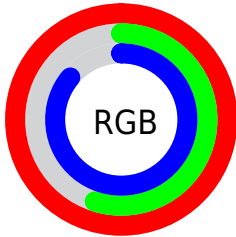
Format	Color
R _{YB}	255, 140, 219
Decimal	16747739
CIE _{Lab}	72.98, 53.36, -21.14
CIE _{LCh}	73, 57.393, 338.382
Y _{xy}	45.1306, 0.3505, 0.2494
Android (android.graphics.Color)	4294937819 (0xFFFF8CDB)
YUV	183.3910, 17.5552, 62.8011
Hunter-Lab	67.1793, 50.9057, -16.8607

Details

The XYZ color **63.4043, 45.1306, 72.3871** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.4133, 80.2308, 53.6953**, and the grayscale version is **45.1155, 47.4650, 51.6894**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **32.7936, 21.0717, 37.4608** is the 20% darker color. If you saturate the color by 10%, you get **59.0747, 38.1132, 65.8828**, and if you desaturate by 10%, it is **68.6495, 53.8984, 79.4464**.

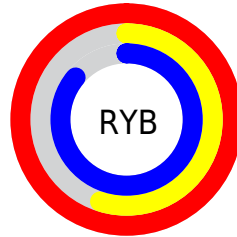
Distribution



Red (100%)

Green (55%)

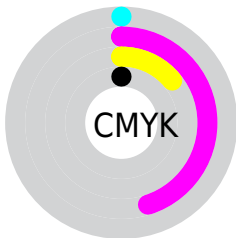
Blue (86%)



Red (100%)

Yellow (55%)

Blue (86%)

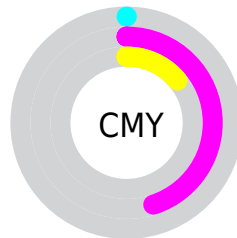


Cyan (0%)

Magenta (45%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4043, 45.1306, 72.3871 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 63.4043, 45.1306, 72.3871 by changing the saturation by 10% instead.


 63.4043, 45.1306,
72.3871


 63.4043, 45.1306,
72.3871


426.6717,
367.3022, 487.9015

 46.4282, 31.5603,
52.9862


 108.8311, 82.9164,
124.3196

 32.7899, 21.0259,
37.4041


 138.0126,
107.9006, 157.6882

 22.1240, 13.1429,
25.2223


171.9932,
137.4583, 196.5498

 14.0652, 7.5270,
16.0222

211.1384,
171.9738, 241.3229

 8.2480, 3.7938,
9.3853

255.8135,
211.8316, 292.4261

 4.3072, 1.5589,
4.8931

306.3839,

 1.8774, 0.3297,

257.4160, 350.2779

2.1271

363.2148,
309.1114, 415.2969

■ 0.5636, 0.0000,
0.6318

■ 0.0000, 0.0000,
0.0000

■ 63.4043, 45.1306,
72.3871

■ 63.4043, 45.1306,
72.3871

■ 59.0747, 38.1132,
65.8828

■ 68.6495, 53.8984,
79.4464

■ 55.5966, 32.7193,
59.9070

■ 74.8627, 64.5206,
87.0799

■ 52.9019, 28.8138,
54.4341

■ 82.0958, 77.0995,
95.3087

■ 50.9104, 26.2375,
49.4337

■ 90.3959, 91.7287,
104.1518

■ 49.5231, 24.7936,
44.8691

95.0500, 100.0000,
108.9000

■ 48.9947, 24.3619,
42.7657

Harmonies

Analogous

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



55.9977, 45.1306, 106.2900



63.4043, 45.1306, 72.3871



64.9067, 45.1306, 41.5301

Triad

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



63.4043, 45.1306, 72.3871



40.1488, 45.1306, 12.2802



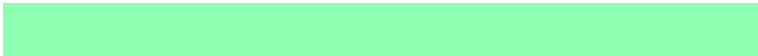
29.5013, 45.1306, 91.9541

Complementary

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



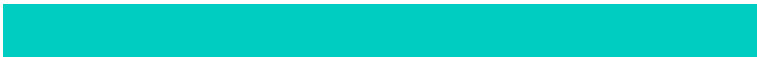
63.4043, 45.1306, 72.3871



54.4133, 80.2308, 53.6953

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.



26.5250, 45.1306, 57.6260



63.4043, 45.1306, 72.3871



32.0148, 45.1306, 17.3462

Square

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



63.4043, 45.1306, 72.3871



50.3882, 45.1306, 13.6323



27.3676, 45.1306, 31.4929



36.1846, 45.1306, 120.3121

Rectangle

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



63.4043, 45.1306, 72.3871



62.1663, 45.1306, 27.3089



27.3676, 45.1306, 31.4929



28.0855, 45.1306, 80.2947

Sweetspot

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



63.4053, 45.1325, 72.3880



82.9523, 78.6007, 96.2473



44.9971, 35.0347, 98.9985



17.3968, 16.1960, 20.2068



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.



63.4053, 45.1325, 72.3880



59.5064, 38.8006, 66.5692



57.2303, 42.6625, 39.8710



18.5364, 18.1979, 21.4418



25.6712, 12.7578, 22.7169



2.5489, 1.2619, 2.4717

Inverse Universe

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



63.4053, 45.1325, 72.3880



59.5064, 38.8006, 66.5692



61.1419, 82.9223, 89.1279



18.5364, 18.1979, 21.4418



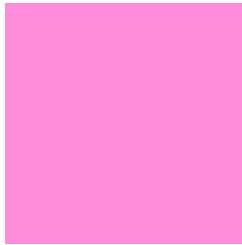
25.6712, 12.7578, 22.7169



2.5489, 1.2619, 2.4717

Previews

White Background



This preview shows how the XYZ color 63.4043, 45.1306, 72.3871 looks on a white background.

Color Contrast Check

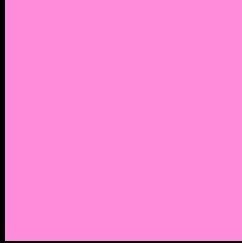
Large Text (above 18pt) WCAG AA × Fail

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 63.4043, 45.1306, 72.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

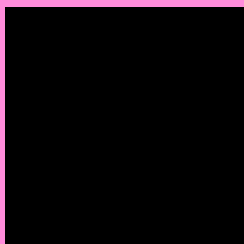
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4043, 45.1306, 72.3871

Background



This preview shows how black text looks on a background with the XYZ color 63.4043, 45.1306, 72.3871.



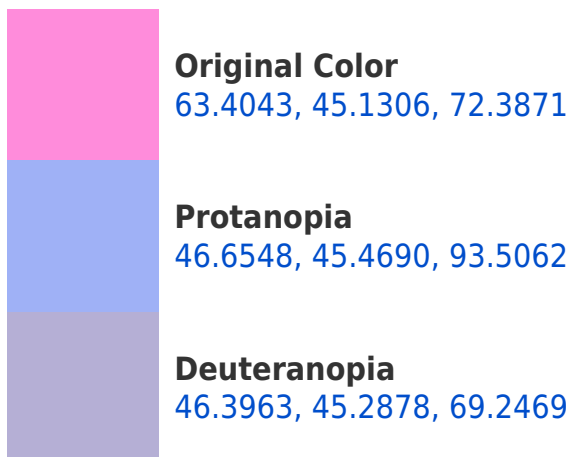
This preview shows how white text looks on a background with the XYZ color 63.4043, 45.1306,

72.3871.

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





Tritanopia

56.9060, 45.2406, 40.3834

Trichromacy



Original Color

63.4043, 45.1306, 72.3871



Protanomaly

50.6639, 44.0764, 85.1942



Deuteranomaly

51.1985, 44.1569, 70.1146



Tritanomaly

58.9208, 45.1079, 50.4010

Monochromacy



Original Color

63.4043, 45.1306, 72.3871



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

50.0770, 45.1783, 58.3055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4043, 45.1306, 72.3871 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(255, 140, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 219)  
}
```

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(255, 140, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 219) }
```

Border

The CSS property to change the border of an element to XYZ 63.4043, 45.1306, 72.3871 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(255, 140, 219) }
```


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

```
.border{ border-color:rgb(255, 140, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4043, 45.1306, 72.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 219) }
```

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

```
.background{ background-color: rgb(255,  
140, 219) }
```

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