

Converting Colors

XYZ(43.4640, 33.2877, 75.3685)

Have a look what the booklet for
XYZ(43.4640, 33.2877, 75.3685)
contains.

XYZ(43.4640, 33.2877, 75.3685)	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(43.4640, 33.2877,
75.3685)**

Conversions

Conversions Part 1

Format	Color
Hex	BF85E1
RGB	191, 133, 225
RGB Percent	75%, 52%, 88%
CMY	0.2510, 0.4784, 0.1176
CMYK	0.15, 0.41, 0.00, 0.12
HSL	278°, 61%, 70%
HSV	278°, 41%, 88%
XYZ	43.4640, 33.2877, 75.3685
YIQ	160.8300, 5.0360, 40.9080

Conversions

Conversions Part 2

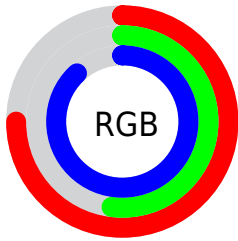
Format	Color
RYB	191, 133, 225
Decimal	12551649
CIELab	64.39, 38.69, -38.31
CIElCh	64, 54.448, 315.283
Yxy	33.2877, 0.2857, 0.2188
Android (android.graphics.Color)	4290741729 (0xFFBF85E1)
YUV	160.8300, 31.6358, 26.4591
Hunter-Lab	57.6955, 33.5031, -37.0646

Details

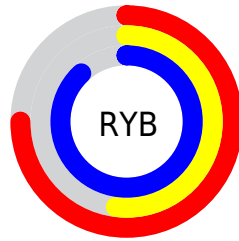
The XYZ color **43.4640, 33.2877, 75.3685** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **47.0962, 63.7601, 32.0165**, and the grayscale version is **33.6547, 35.4074, 38.5586**.

A 20% lighter version of the original color is **74.8872, 62.9004, 102.8017**, and **20.3321, 14.1334, 39.1925** is the 20% darker color. If you saturate the color by 10%, you get **38.6752, 26.7261, 74.3549**, and if you desaturate by 10%, it is **49.0336, 41.2327, 76.6090**.

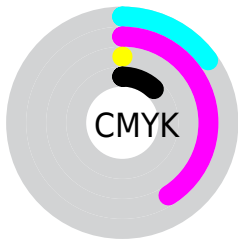
Distribution



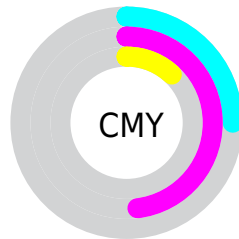
- Red (75%)
- Green (52%)
- Blue (88%)



- Red (75%)
- Yellow (52%)
- Blue (88%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)





- Cyan (25%)
- Magenta (48%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.4640, 33.2877, 75.3685 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 43.4640, 33.2877, 75.3685 by changing the saturation by 10% instead.


 43.4640, 33.2877,
75.3685


 43.4640, 33.2877,
75.3685

351.4058,
316.9441, 498.4724


 30.4454, 22.3469,
55.4113

 79.6619, 64.8244,
128.5857

 20.3267, 14.1120,
39.3303


 103.5720, 86.1892,
162.6829

 12.7424, 8.1986,
26.7070


 131.8434,
111.7974, 202.3303

 7.3272, 4.2223,
17.1228

164.8413,
142.0335, 247.9467

 3.7157, 1.7987,
10.1592

202.9311,
177.2818, 299.9506

 1.5426, 0.4864,
5.3976

246.4782,

 0.3545, 0.0000,

217.9267, 358.7605

2.4196

295.8480,
264.3527, 424.7949

■ 0.0000, 0.0000,
0.7971

■ 0.0000, 0.0000,
0.0000

■ 43.4640, 33.2877,
75.3685

■ 43.4640, 33.2877,
75.3685

■ 38.6752, 26.7261,
74.3549

■ 49.0336, 41.2327,
76.6090

■ 34.6192, 21.4578,
73.5518

■ 55.4211, 50.6354,
78.0873

■ 31.2478, 17.3881,
72.9440

■ 62.6654, 61.5697,
79.8160

■ 28.5044, 14.4072,
72.5132

■ 70.8015, 74.1033,
81.8064

■ 26.3222, 12.3843,
72.2377

■ 79.8626, 88.2994,
84.0690

■ 24.7201, 11.1737,
72.0885

■ 85.5899, 95.6383,
85.1836

■ 88.4920, 97.1344,
85.3194

■ 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



35.7352, 33.2877, 95.0307



43.4640, 33.2877, 75.3685



48.3668, 33.2877, 48.2142

Triad

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



43.4640, 33.2877, 75.3685



35.5810, 33.2877, 8.6411



19.3229, 33.2877, 48.7092

Complementary

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



43.4640, 33.2877, 75.3685



47.0962, 63.7601, 32.0165

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.



19.2954, 33.2877, 26.4407



43.4640, 33.2877, 75.3685



27.8684, 33.2877, 8.6832

Square

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



43.4640, 33.2877, 75.3685



43.3353, 33.2877, 13.5772



22.1805, 33.2877, 13.7330



22.2628, 33.2877, 75.8560

Rectangle

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



43.4640, 33.2877, 75.3685



48.9342, 33.2877, 32.4523



22.1805, 33.2877, 13.7330



18.9907, 33.2877, 40.3215

Sweetspot

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



43.4652, 33.2891, 75.3692



82.0145, 79.9245, 105.7121



37.3166, 38.5280, 76.7045



17.2733, 16.6798, 22.5591



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.



43.4652, 33.2891, 75.3692



52.2837, 36.7281, 98.9413



51.6115, 37.6526, 68.3452



13.7784, 13.6693, 17.2999



14.3777, 6.5073, 41.5466



1.0943, 0.5014, 2.8844

Inverse Universe

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



46.4149, 35.5739, 40.9806



57.0882, 40.3821, 45.9778



41.6129, 60.8433, 35.8310



13.9156, 13.7839, 15.3258



18.8480, 9.6062, 5.8656



1.3487, 0.6827, 0.6289

Previews

White Background



This preview shows how the XYZ color 43.4640, 33.2877, 75.3685 looks on a white background.

Color Contrast Check

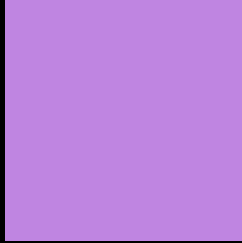
Large Text (above 18pt) WCAG AA × Fail

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 43.4640, 33.2877, 75.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

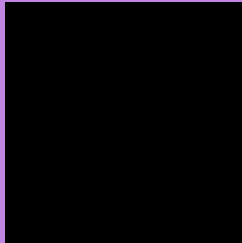
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.4640, 33.2877, 75.3685

Background



This preview shows how black text looks on a background with the XYZ color 43.4640, 33.2877, 75.3685.



This preview shows how white text looks on a background with the XYZ color 43.4640, 33.2877,

75.3685.

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

43.4640, 33.2877, 75.3685

Protanopia

35.7304, 33.4784, 88.5832

Deuteranopia

34.4454, 33.6497, 73.0862



Tritanopia

35.7478, 33.1944, 37.3239

Trichromacy



Original Color

43.4640, 33.2877, 75.3685

Protanomaly

37.6319, 32.9098, 83.7257

Deuteranomaly

36.9450, 33.0114, 73.5319

Tritanomaly

38.2278, 33.0792, 49.1698

Monochromacy



Original Color

43.4640, 33.2877, 75.3685

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.7316, 34.3646, 50.0445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4640, 33.2877, 75.3685 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(191, 133, 225)` looks like.

```
.text, #text, p{  
    color:rgb(191, 133, 225)  
}
```

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(191, 133, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 133, 225) }
```

Border

The CSS property to change the border of an element to XYZ 43.4640, 33.2877, 75.3685 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(191, 133, 225) }
```


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

```
.border{ border-color:rgb(191, 133, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 133, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 133, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 133, 225);  
box-shadow:4px 4px 4px 4px rgb(191, 133,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4640, 33.2877, 75.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 133, 225) }
```

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

```
.background{ background-color: rgb(191,  
133, 225) }
```

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