

Converting Colors

XYZ(39.9886, 32.5481, 46.2943)

Have a look what the booklet for
XYZ(39.9886, 32.5481, 46.2943)
contains.

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Color

**XYZ(39.9886, 32.5481,
46.2943)**

Conversions

Conversions Part 1

Format	Color
Hex	C687B2
RGB	198, 135, 178
RGB Percent	78%, 53%, 70%
CMY	0.2235, 0.4706, 0.3020
CMYK	0.00, 0.32, 0.10, 0.22
HSL	319°, 36%, 65%
HSV	319°, 32%, 78%
XYZ	39.9886, 32.5481, 46.2943
YIQ	158.7390, 23.7450, 26.7290

Conversions

Conversions Part 2

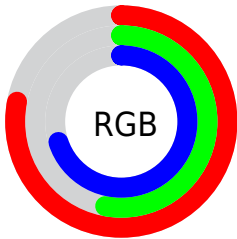
Format	Color
R _Y B	198, 135, 178
Decimal	13010866
CIE Lab	63.79, 30.72, -12.82
CIE LCh	64, 33.288, 337.357
Yxy	32.5481, 0.3365, 0.2739
Android (android.graphics.Color)	4291200946 (0xFFC687B2)
YUV	158.7390, 9.4957, 34.4319
Hunter-Lab	57.0509, 25.2765, -8.1755

Details

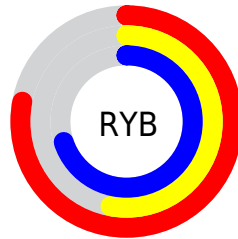
The XYZ color **39.9886, 32.5481, 46.2943** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.1036, 47.9066, 38.3565**, and the grayscale version is **32.7868, 34.4943, 37.5643**.

A 20% lighter version of the original color is **74.2889, 63.5957, 86.2017**, and **18.1997, 13.6610, 21.0796** is the 20% darker color. If you saturate the color by 10%, you get **36.8621, 27.2817, 42.2093**, and if you desaturate by 10%, it is **43.6597, 38.8564, 50.7043**.

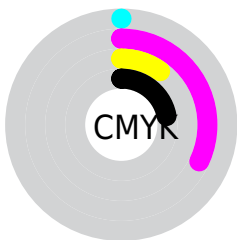
Distribution



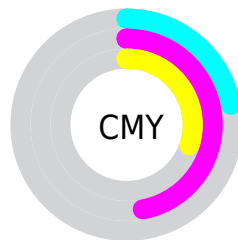
- Red (78%)
- Green (53%)
- Blue (70%)



- Red (78%)
- Yellow (53%)
- Blue (70%)



- Cyan (0%)
- Magenta (32%)
- Yellow (10%)
- Black (22%)





- Cyan (22%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9886, 32.5481, 46.2943 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 39.9886, 32.5481, 46.2943 by changing the saturation by 10% instead.


 39.9886, 32.5481,
46.2943


 39.9886, 32.5481,
46.2943


337.2108,
313.6085, 388.3025

 27.7138, 21.7805,
32.1278


 74.4306, 63.6694,
85.9982

 18.2494, 13.6957,
21.1935


 97.3285, 84.7918,
112.3726

 11.2300, 7.9093,
13.0729


 124.4983,
110.1346, 143.6535

 6.2902, 4.0370,
7.3474

156.3051,
140.0822, 180.2593

 3.0646, 1.6943,
3.5986

193.1144,
175.0190, 222.6085

 1.1880, 0.4199,
1.4078

235.2915,

 0.0969, 0.0000,

215.3294, 271.1198

0.1478

283.2019,
261.3978, 326.2116

■ 0.0000, 0.0000,
0.0000

■ 39.9886, 32.5481,
46.2943

■ 39.9886, 32.5481,
46.2943

■ 36.8621, 27.2817,
42.2093

■ 43.6597, 38.8564,
50.7043

■ 34.2483, 22.9957,
38.4357

■ 47.8992, 46.2551,
55.4479

■ 32.1166, 19.6286,
34.9617

■ 52.7330, 54.7948,
60.5360

■ 30.4316, 17.1105,
31.7735

■ 58.1843, 64.5217,
65.9782

■ 29.1528, 15.3610,
28.8557

■ 64.2754, 75.4794,
71.7835

■ 28.2319, 14.2844,
26.1901

■ 71.0273, 87.7093,
77.9607

■ 27.6720, 13.7591,
24.1705

■ 72.2343, 88.8000,
82.4430

■ 73.0929, 89.1435,
86.9641

■ 73.9832, 89.4996,
91.6525

Harmonies

Analogous

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



36.7127, 32.5481, 60.0721



39.9886, 32.5481, 46.2943



40.7269, 32.5481, 32.2462

Triad

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



39.9886, 32.5481, 46.2943



29.8000, 32.5481, 15.5589



24.3314, 32.5481, 53.4526

Complementary

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



39.9886, 32.5481, 46.2943



36.1036, 47.9066, 38.3565

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.



22.8553, 32.5481, 38.8366



39.9886, 32.5481, 46.2943



25.7995, 32.5481, 18.6720

Square

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



39.9886, 32.5481, 46.2943



34.5245, 32.5481, 16.6045



23.3644, 32.5481, 26.4295



27.6051, 32.5481, 64.8780

Rectangle

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



39.9886, 32.5481, 46.2943



39.6192, 32.5481, 24.8836



23.3644, 32.5481, 26.4295



23.6243, 32.5481, 48.6240

Sweetspot

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



39.9896, 32.5496, 46.2950



86.1716, 84.2852, 99.6452



32.3665, 28.3705, 57.1968



18.1961, 17.6042, 21.0607



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.



39.9896, 32.5496, 46.2950



66.9705, 51.1425, 77.0308



37.1851, 31.4278, 31.5270



10.9343, 10.7571, 12.6371



18.0359, 8.9639, 15.9305



0.8858, 0.4372, 0.9219

Inverse Universe

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



39.9896, 32.5496, 46.2950



66.9705, 51.1425, 77.0308



39.0978, 49.1043, 54.1239



10.9343, 10.7571, 12.6371



18.0359, 8.9639, 15.9305



0.8858, 0.4372, 0.9219

Previews

White Background



This preview shows how the XYZ color 39.9886, 32.5481, 46.2943 looks on a white background.

Color Contrast Check

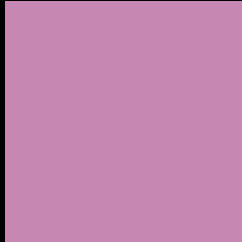
Large Text (above 18pt) WCAG AA × Fail

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 39.9886, 32.5481, 46.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

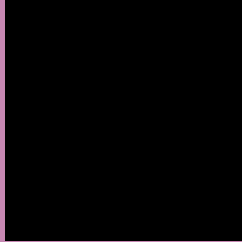
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9886, 32.5481, 46.2943

Background



This preview shows how black text looks on a background with the XYZ color 39.9886, 32.5481, 46.2943.



This preview shows how white text looks on a background with the XYZ color 39.9886, 32.5481,

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

39.9886, 32.5481, 46.2943

Protanopia

32.5396, 32.6112, 53.2948

Deuteranopia

33.3017, 32.7019, 45.1144



Tritanopia

37.4697, 32.5926, 33.5943

Trichromacy



Original Color

39.9886, 32.5481, 46.2943

Protanomaly

34.6589, 32.1023, 50.8240

Deuteranomaly

35.4174, 32.3841, 45.4583

Tritanomaly

38.2865, 32.4859, 37.9707

Monochromacy



Original Color

39.9886, 32.5481, 46.2943

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.0229, 33.4501, 40.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9886, 32.5481, 46.2943 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(198, 135, 178)` looks like.

```
.text, #text, p{  
    color:rgb(198, 135, 178)  
}
```

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(198, 135, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 135, 178) }
```

Border

The CSS property to change the border of an element to XYZ 39.9886, 32.5481, 46.2943 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(198, 135, 178) }
```


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

```
.border{ border-color:rgb(198, 135, 178) }
```

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

Here you see how a box with a 4 pixel rgb(198, 135, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 135, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 135, 178);  
box-shadow:4px 4px 4px 4px rgb(198, 135,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9886, 32.5481, 46.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 135, 178) }
```

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

```
.background{ background-color: rgb(198,  
135, 178) }
```

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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