

Converting Colors

XYZ(41.6500, 32.4228, 56.3211)

Have a look what the booklet for
XYZ(41.6500, 32.4228, 56.3211)
contains.

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Color

**XYZ(41.6333, 32.3602,
56.2764)**

Conversions

Conversions Part 1

Format	Color
Hex	C783C4
RGB	199, 131, 196
RGB Percent	78%, 51%, 77%
CMY	0.2196, 0.4863, 0.2314
CMYK	0.00, 0.34, 0.02, 0.22
HSL	303°, 38%, 65%
HSV	303°, 34%, 78%
XYZ	41.6333, 32.3602, 56.2764
YIQ	158.7420, 19.6630, 34.6310

Conversions

Conversions Part 2

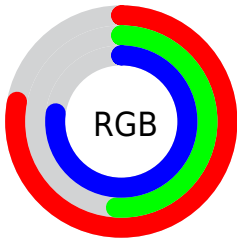
Format	Color
R_{YB}	199, 131, 196
Decimal	13075396
CIE _{Lab}	63.64, 36.45, -23.19
CIE _{LCh}	64, 43.206, 327.532
Yxy	32.3602, 0.3196, 0.2484
Android (android.graphics.Color)	4291265476 (0xFFC783C4)
YUV	158.7420, 18.3682, 35.3063
Hunter-Lab	56.8860, 31.0886, -18.8344

Details

The XYZ color **41.6333, 32.3602, 56.2764** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.0879, 47.3945, 29.9075**, and the grayscale version is **32.7503, 34.4559, 37.5224**.

A 20% lighter version of the original color is **76.3186, 63.0498, 101.0759**, and **19.2527, 13.6196, 27.2053** is the 20% darker color. If you saturate the color by 10%, you get **39.1136, 27.4796, 54.9451**, and if you desaturate by 10%, it is **44.6690, 38.2705, 57.7833**.

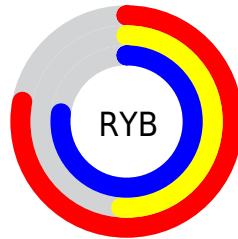
Distribution



Red (78%)

Green (51%)

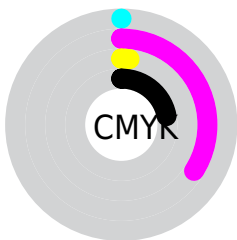
Blue (77%)



Red (78%)

Yellow (51%)

Blue (77%)

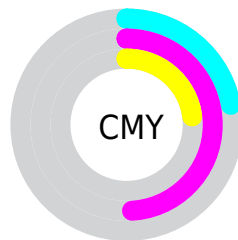


Cyan (0%)

Magenta (34%)

Yellow (2%)

Black (22%)



Cyan (22%)


Magenta (49%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6333, 32.3602, 56.2764 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 41.6333, 32.3602, 56.2764 by changing the saturation by 10% instead.


 41.6333, 32.3602,
56.2764


 41.6333, 32.3602,
56.2764

343.9781,
312.7568, 428.1499


 29.0041, 21.6368,
40.0191


 76.9130, 63.3753,
100.8984

 19.2282, 13.5903,
27.2395


 100.2942, 84.4358,
130.1002

 11.9403, 7.8362,
17.5192


 127.9901,
109.7108, 164.4539

 6.7749, 3.9903,
10.4395

160.3662,
139.5847, 204.3780

 3.3668, 1.6682,
5.5819

197.7876,
174.4418, 250.2912

 1.3506, 0.4029,
2.5279

240.6198,

 0.2206, 0.0000,

214.6666, 302.6118

0.8549

289.2282,
260.6435, 361.7585

■ 0.0000, 0.0000,
0.0000

■ 41.6333, 32.3602,
56.2764

■ 41.6333, 32.3602,
56.2764

■ 39.1136, 27.4796,
54.9451

■ 44.6690, 38.2705,
57.7833

■ 37.0772, 23.5655,
53.7774

■ 48.2446, 45.2604,
59.4727

■ 35.4927, 20.5542,
52.7633

■ 52.3865, 53.3819,
61.3537

■ 34.3237, 18.3728,
51.8905

■ 57.1183, 62.6822,
63.4343

■ 33.5281, 16.9373,
51.1450

■ 62.4623, 73.2059,
65.7219

■ 33.0548, 16.1455,
50.5099

■ 68.4396, 84.9954,
68.2234

■ 32.8719, 15.8696,
50.1719

■ 69.9917, 87.9336,
69.2529

■ 70.0961, 87.9753,
69.8026

■ 70.2011, 88.0173,
70.3555

Harmonies

Analogous

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



36.4443, 32.3602, 73.7246



41.6333, 32.3602, 56.2764



43.8808, 32.3602, 36.6865

Triad

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



41.6333, 32.3602, 56.2764



31.2602, 32.3602, 11.3563



21.5654, 32.3602, 52.9543

Complementary

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



41.6333, 32.3602, 56.2764



34.0879, 47.3945, 29.9075

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.



20.5522, 32.3602, 33.8218



41.6333, 32.3602, 56.2764



25.6952, 32.3602, 13.2046

Square

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



41.6333, 32.3602, 56.2764



37.4228, 32.3602, 13.9631



21.9625, 32.3602, 20.2255



24.9345, 32.3602, 71.4063

Rectangle

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



41.6333, 32.3602, 56.2764



43.2141, 32.3602, 26.1349



21.9625, 32.3602, 20.2255



20.9589, 32.3602, 46.2341

Sweetspot

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



41.6343, 32.3616, 56.2771



87.2672, 84.7235, 105.4146



28.1415, 25.3660, 57.4466



18.4627, 17.7108, 22.4643



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.



41.6343, 32.3616, 56.2771



69.5343, 50.1430, 96.7742



38.2577, 31.0110, 38.4959



11.0621, 10.8082, 13.3103



21.1459, 10.2079, 32.3076



1.0077, 0.4859, 1.5635

Inverse Universe

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



41.6343, 32.3616, 56.2771



69.5343, 50.1430, 96.7742



36.7845, 48.4731, 44.1074



11.0621, 10.8082, 13.3103



21.1459, 10.2079, 32.3076



1.0077, 0.4859, 1.5635

Previews

White Background



This preview shows how the XYZ color 41.6333, 32.3602, 56.2764 looks on a white background.

Color Contrast Check

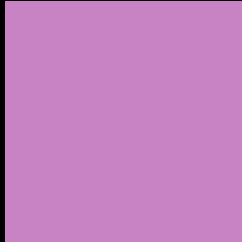
Large Text (above 18pt) WCAG AA × Fail

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 41.6333, 32.3602, 56.2764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

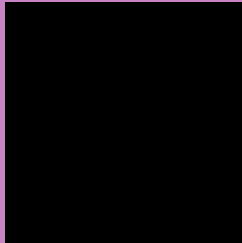
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6333, 32.3602, 56.2764

Background



This preview shows how black text looks on a background with the XYZ color 41.6333, 32.3602, 56.2764.



This preview shows how white text looks on a background with the XYZ color 41.6333, 32.3602,

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

41.6333, 32.3602, 56.2764

Protanopia

33.4284, 32.5283, 66.8041

Deuteranopia

33.1587, 32.4230, 54.3798



Tritanopia

36.9563, 32.3280, 33.5703

Trichromacy



Original Color

41.6333, 32.3602, 56.2764

Protanomaly

35.6110, 31.8763, 62.6684

Deuteranomaly

35.7473, 32.1216, 54.7681

Tritanomaly

38.4264, 32.2834, 40.7653

Monochromacy



Original Color

41.6333, 32.3602, 56.2764

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.6494, 33.4721, 43.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6333, 32.3602, 56.2764 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(199, 131, 196)` looks like.

```
.text, #text, p{  
    color:rgb(199, 131, 196)  
}
```

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(199, 131, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 131, 196) }
```

Border

The CSS property to change the border of an element to XYZ 41.6333, 32.3602, 56.2764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

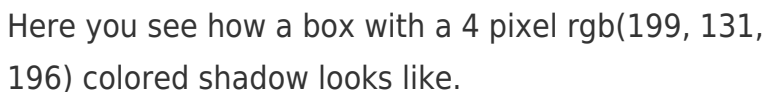
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 131, 196) }
```


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

```
.border{ border-color:rgb(199, 131, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 131, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 131, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 131, 196);  
box-shadow:4px 4px 4px 4px rgb(199, 131,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6333, 32.3602, 56.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 131, 196) }
```

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

```
.background{ background-color: rgb(199,  
131, 196) }
```

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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