

# Converting Colors

XYZ(41.0708, 32.2153, 57.3338)

Have a look what the booklet for  
XYZ(41.0708, 32.2153, 57.3338)  
contains.

<b>XYZ(41.2093, 32.3155, 57.4916)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.2093, 32.3155,  
57.4916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C484C6
RGB	196, 132, 198
RGB Percent	77%, 52%, 78%
CMY	0.2314, 0.4823, 0.2235
CMYK	0.01, 0.33, 0.00, 0.22
HSL	298°, 37%, 65%
HSV	298°, 33%, 78%
XYZ	41.2093, 32.3155, 57.4916
YIQ	158.6600, 16.9580, 34.0940

# Conversions

## Conversions Part 2

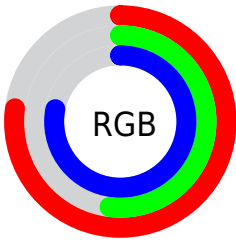
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 132, 198
Decimal	12879046
CIE <sub>Lab</sub>	63.60, 35.32, -24.40
CIE <sub>LCh</sub>	64, 42.929, 325.355
Yxy	32.3155, 0.3145, 0.2467
Android (android.graphics.Color)	4291069126 (0xFFC484C6)
YUV	158.6600, 19.3946, 32.7472
Hunter-Lab	56.8467, 29.9164, -20.1699

# Details

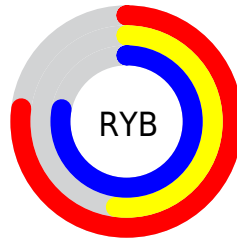
The XYZ color **41.2093, 32.3155, 57.4916** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.1915, 47.1232, 29.1249**, and the grayscale version is **32.7093, 34.4128, 37.4755**.

A 20% lighter version of the original color is **76.1169, 63.2205, 102.7987**, and **18.9610, 13.5612, 28.0038** is the 20% darker color. If you saturate the color by 10%, you get **38.6195, 27.3664, 56.6733**, and if you desaturate by 10%, it is **44.3113, 38.2868, 58.4812**.

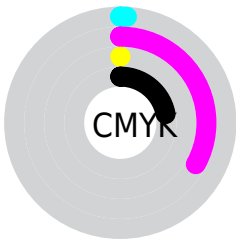
# Distribution



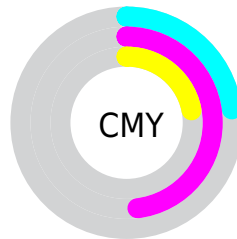
- Red (77%)
- Green (52%)
- Blue (78%)



- Red (77%)
- Yellow (52%)
- Blue (78%)



- Cyan (1%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)




- Cyan (23%)
- Magenta (48%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2093, 32.3155, 57.4916 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 41.2093, 32.3155, 57.4916 by changing the saturation by 10% instead.





 41.2093, 32.3155,  
57.4916


 41.2093, 32.3155,  
57.4916


342.2423,  
312.5540, 432.8341


 28.6711, 21.6026,  
40.9881

 76.2742, 63.3054,  
102.6896

 18.9751, 13.5652,  
27.9901


 99.5316, 84.3511,  
132.2211

 11.7562, 7.8189,  
18.0792


 127.0927,  
109.6099, 166.9324

 6.6489, 3.9793,  
10.8369

159.3230,  
139.4662, 207.2420

 3.2879, 1.6620,  
5.8445

196.5877,  
174.3044, 253.5684

 1.3078, 0.3989,  
2.6835

239.2523,

 0.1890, 0.0000,

214.5088, 306.3302

0.9351

287.6820,  
260.4639, 365.9459

■ 0.0000, 0.0000,  
0.0000

■ 41.2093, 32.3155,  
57.4916

■ 41.2093, 32.3155,  
57.4916

■ 38.6195, 27.3664,  
56.6733

■ 44.3113, 38.2868,  
58.4812

■ 36.5099, 23.3775,  
56.0145

■ 47.9491, 45.3294,  
59.6488

■ 34.8498, 20.2866,  
55.5054

■ 52.1485, 53.4943,  
61.0034

■ 33.6036, 18.0224,  
55.1341

■ 56.9327, 62.8278,  
62.5528

■ 32.7301, 16.5030,  
54.8869

■ 62.3236, 73.3739,  
64.3043

■ 32.1801, 15.6295,  
54.7472

■ 68.3421, 85.1740,  
66.2647

■ 31.9321, 15.2841,  
54.6936

■ 69.8260, 87.9042,  
66.7135

■ 69.9867, 87.9870,  
66.7210

■ 70.1481, 88.0702,  
66.7286

# Harmonies

## Analogous

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



35.9211, 32.3155, 74.2513



41.2093, 32.3155, 57.4916



43.6984, 32.3155, 37.9281

# Triad

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



41.2093, 32.3155, 57.4916



31.6580, 32.3155, 11.4706



21.4302, 32.3155, 51.3035

# Complementary

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



41.2093, 32.3155, 57.4916



34.1915, 47.1232, 29.1249

# 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.



20.5974, 32.3155, 32.5795



41.2093, 32.3155, 57.4916



26.0378, 32.3155, 12.9882

# Square

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



41.2093, 32.3155, 57.4916



37.7461, 32.3155, 14.4132



22.1731, 32.3155, 19.5558



24.6161, 32.3155, 69.9388



# Rectangle

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



41.2093, 32.3155, 57.4916



43.2274, 32.3155, 27.1472



22.1731, 32.3155, 19.5558



20.8850, 32.3155, 44.6733

# Sweetspot

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



41.2103, 32.3169, 57.4923



87.1643, 84.6495, 106.3527



28.2629, 26.0898, 56.9727



18.4375, 17.6927, 22.6932



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.



41.2103, 32.3169, 57.4923



69.5536, 50.6812, 100.7243



38.5345, 31.3071, 40.6693



11.0501, 10.7996, 13.4196



20.7799, 9.9467, 35.5690



0.9941, 0.4762, 1.6847



# Inverse Universe

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



35.8441, 30.2309, 26.5015



58.6396, 46.4458, 37.3666



36.3038, 47.9317, 41.8960



10.6467, 10.6421, 11.1227



15.1723, 7.8185, 0.8514

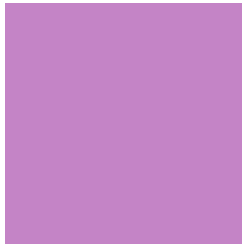


0.7231, 0.3721, 0.0648



# Previews

## White Background



This preview shows how the XYZ color 41.2093, 32.3155, 57.4916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

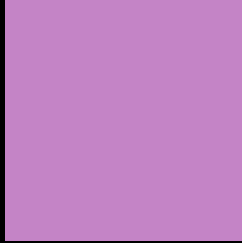
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2093, 32.3155, 57.4916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

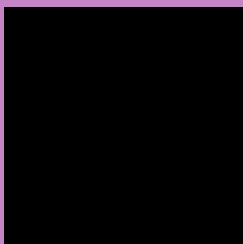
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.2093, 32.3155, 57.4916**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2093, 32.3155, 57.4916.



This preview shows how white text looks on a background with the XYZ color 41.2093, 32.3155,



# 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

41.2093, 32.3155, 57.4916

### Protanopia

33.3918, 32.4948, 67.4630

### Deuteranopia

33.1986, 32.4178, 55.5464



## Tritanopia

36.4276, 32.2639, 34.0134

# Trichromacy



## Original Color

41.2093, 32.3155, 57.4916

## Protanomaly

35.6111, 32.0740, 63.9885

## Deuteranomaly

35.5495, 31.9936, 55.9315

## Tritanomaly

37.9881, 32.2480, 41.7584

# Monochromacy



## Original Color

41.2093, 32.3155, 57.4916

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

35.3035, 33.2827, 44.0987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2093, 32.3155, 57.4916 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(196, 132, 198)` looks like.

```
.text, #text, p{  
    color:rgb(196, 132, 198)  
}
```

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(196, 132, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 132, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2093, 32.3155, 57.4916 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(196, 132, 198) }
```



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

```
.border{ border-color:rgb(196, 132, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 132, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 132, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 132, 198);  
box-shadow:4px 4px 4px 4px rgb(196, 132,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2093, 32.3155, 57.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 132, 198) }
```

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

```
.background{ background-color: rgb(196,  
132, 198) }
```

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