

# Converting Colors

XYZ(34.2292, 16.5401, 53.0182)

Have a look what the booklet for  
XYZ(34.2292, 16.5401, 53.0182)  
contains.

<b>XYZ(34.2292, 16.5401, 53.0182)</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(34.2292, 16.5401,  
53.0182)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA02C3
RGB	202, 2, 195
RGB Percent	79%, 1%, 76%
CMY	0.2078, 0.9921, 0.2353
CMYK	0.00, 0.99, 0.03, 0.21
HSL	302°, 98%, 40%
HSV	302°, 99%, 79%
XYZ	34.2292, 16.5401, 53.0182
YIQ	83.8020, 57.2470, 102.4230

# Conversions

## Conversions Part 2

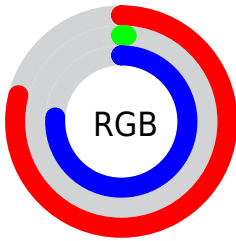
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 2, 195
Decimal	13238979
CIE <sub>Lab</sub>	47.68, 81.27, -47.56
CIE <sub>LCh</sub>	48, 94.163, 329.663
Yxy	16.5401, 0.3298, 0.1594
Android (android.graphics.Color)	4291429059 (0xFFCA02C3)
YUV	83.8020, 54.8206, 103.6596
Hunter-Lab	40.6695, 79.0615, -48.8238

# Details

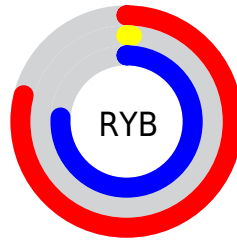
The XYZ color **34.2292, 16.5401, 53.0182** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **21.1957, 42.2746, 7.3019**, and the grayscale version is **8.2720, 8.7028, 9.4773**.

A 20% lighter version of the original color is **62.6378, 35.9426, 95.7317**, and **16.0613, 7.7331, 25.4571** is the 20% darker color. If you saturate the color by 10%, you get **34.1998, 16.4937, 52.9690**, and if you desaturate by 10%, it is **34.5793, 17.1115, 53.5305**.

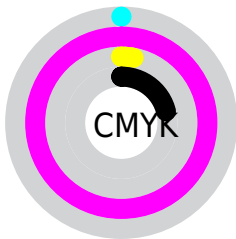
# Distribution



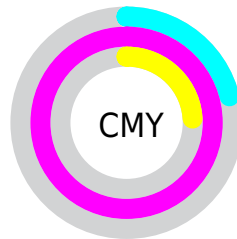
- Red (79%)
- Green (1%)
- Blue (76%)



- Red (79%)
- Yellow (1%)
- Blue (76%)



- Cyan (0%)
- Magenta (99%)
- Yellow (3%)
- Black (21%)




- Cyan (21%)
- Magenta (99%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2292, 16.5401, 53.0182 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 34.2292, 16.5401, 53.0182 by changing the saturation by 10% instead.




 34.2292, 16.5401,  
53.0182


 34.2292, 16.5401,  
53.0182


312.7208,  
232.5080, 415.4232


 23.2335, 9.9071,  
37.4295


 65.6319, 37.5333,  
96.0730


 14.8876, 5.3374,  
25.2418


 86.7695, 52.6624,  
124.3761


 8.8264, 2.4466,  
16.0366


 112.0185, 71.3923,  
157.7544

 4.6843, 0.8497,  
9.3954

 141.7441, 94.1074,  
196.6265

 2.0961, 0.0000,  
4.8997

 176.3118,  
121.1921, 241.4109

 0.6871, 0.0000,  
2.1308

 216.0869,

 0.0000, 0.0000,

153.0309, 292.5261

0.6340

261.4348,  
190.0080, 350.3907

■ 0.0000, 0.0000,  
0.0000

■ 34.2292, 16.5401,  
53.0182

■ 34.2292, 16.5401,  
53.0182

■ 34.1998, 16.4937,  
52.9690

■ 34.5793, 17.1115,  
53.5305

■ 35.2118, 18.2475,  
54.1386

■ 36.2064, 20.1074,  
54.8694

■ 37.6109, 22.7861,  
55.7387

■ 39.4655, 26.3646,  
56.7598

■ 41.8058, 30.9139,  
57.9448

■ 44.6638, 36.4980,  
59.3042

■ 48.0688, 43.1755,  
60.8478

■ 52.0478, 51.0004,  
62.5847

# Harmonies

## Analogous

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



25.1654, 16.5401, 95.7432



34.2292, 16.5401, 53.0182



38.0871, 16.5401, 18.2829

# Triad

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



34.2292, 16.5401, 53.0182



15.8161, 16.5401, 0.0000



5.4358, 16.5401, 52.0558

# Complementary

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



34.2292, 16.5401, 53.0182



21.1957, 42.2746, 7.3019

# 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.



4.4568, 16.5401, 17.7386



34.2292, 16.5401, 53.0182



8.9957, 16.5401, 0.0263

# Square

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



34.2292, 16.5401, 53.0182



25.3913, 16.5401, 0.0650



5.4828, 16.5401, 3.2792



8.8828, 16.5401, 94.9165



# Rectangle

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



34.2292, 16.5401, 53.0182



36.4108, 16.5401, 6.4836



5.4828, 16.5401, 3.2792



4.8764, 16.5401, 38.5359

# Sweetspot

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



34.2299, 16.5409, 53.0185



74.8818, 60.3488, 100.0648



10.7916, 4.3644, 56.1516



15.5733, 12.0285, 21.2034



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.



34.2299, 16.5409, 53.0185



57.8857, 27.9183, 89.5849



26.4609, 13.4333, 12.1078



11.6699, 11.3967, 14.0624



22.0141, 10.6162, 34.1223



1.1411, 0.5498, 1.7889



# Inverse Universe

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



34.2299, 16.5409, 53.0185



57.8857, 27.9183, 89.5849



23.8893, 43.3521, 21.4864



11.6699, 11.3967, 14.0624



22.0141, 10.6162, 34.1223



1.1411, 0.5498, 1.7889



# Previews

## White Background



This preview shows how the XYZ color 34.2292, 16.5401, 53.0182 looks on a white 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 × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

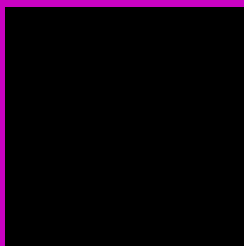
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 34.2292, 16.5401, 53.0182**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2292, 16.5401, 53.0182.



This preview shows how white text looks on a background with the XYZ color 34.2292, 16.5401,



# 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

34.2292, 16.5401, 53.0182

### Protanopia

20.6798, 17.3670, 80.8595

### Deuteranopia

17.6585, 17.2169, 47.1922



## Tritanopia

25.4121, 16.8641, 9.8984

# Trichromacy



## Original Color

34.2292, 16.5401, 53.0182



## Protanomaly

17.9192, 11.0903, 68.9063



## Deuteranomaly

19.4445, 12.6230, 48.4254



## Tritanomaly

26.9639, 15.1806, 20.2479

# Monochromacy



## Original Color

34.2292, 16.5401, 53.0182



## Achromatopsia

8.4267, 8.8656, 9.6546



## Achromatomaly

13.7097, 8.6056, 20.0072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2292, 16.5401, 53.0182 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(202, 2, 195)` looks like.

```
.text, #text, p{  
    color:rgb(202, 2, 195)  
}
```

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(202, 2, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 2, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2292, 16.5401, 53.0182 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(202, 2, 195) }
```



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

```
.border{ border-color:rgb(202, 2, 195) }
```

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

Here you see how a box with a 4 pixel rgb(202, 2, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 2, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 2, 195);  
box-shadow:4px 4px 4px 4px rgb(202, 2,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2292, 16.5401, 53.0182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 2, 195) }
```

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

```
.background{ background-color: rgb(202, 2,  
195) }
```

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**