

# Converting Colors

XYZ(46.0845, 41.0351, 44.2816)

Have a look what the booklet for  
XYZ(46.0845, 41.0351, 44.2816)  
contains.

<b>XYZ(46.2516, 41.1339, 44.5316)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(46.2516, 41.1339,  
44.5316)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D29EAC
RGB	210, 158, 172
RGB Percent	82%, 62%, 67%
CMY	0.1765, 0.3804, 0.3255
CMYK	0.00, 0.25, 0.18, 0.18
HSL	344°, 37%, 72%
HSV	344°, 25%, 82%
XYZ	46.2516, 41.1339, 44.5316
YIQ	175.1440, 26.4980, 15.3780

# Conversions

## Conversions Part 2

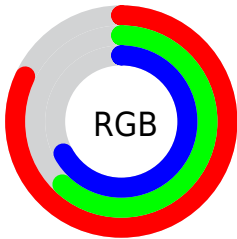
Format	Color
R <sub>Y</sub> B	210, 158, 172
Decimal	13803180
CIE Lab	70.27, 21.43, 0.28
CIE LCh	70, 21.428, 0.760
Yxy	41.1339, 0.3506, 0.3118
Android (android.graphics.Color)	4291993260 (0xFFD29EAC)
YUV	175.1440, -1.5500, 30.5687
Hunter-Lab	64.1357, 16.4881, 3.7279

# Details

The XYZ color **46.2516, 41.1339, 44.5316** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.1127, 57.3489, 60.8137**, and the grayscale version is **40.8212, 42.9471, 46.7694**.

A 20% lighter version of the original color is **78.8994, 74.3946, 82.8742**, and **22.0618, 18.6327, 20.2030** is the 20% darker color. If you saturate the color by 10%, you get **41.5812, 34.0170, 36.1178**, and if you desaturate by 10%, it is **51.7067, 49.5468, 54.0477**.

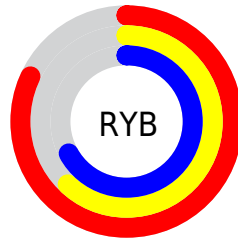
# Distribution



Red (82%)

Green (62%)

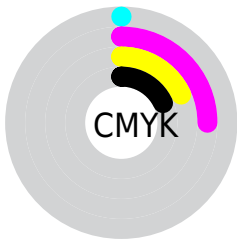
Blue (67%)



Red (82%)

Yellow (62%)

Blue (67%)

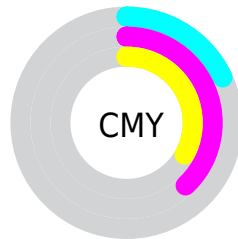


Cyan (0%)

Magenta (25%)

Yellow (18%)

Black (18%)



Cyan (18%)

Magenta (38%)

Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2516, 41.1339, 44.5316 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 46.2516, 41.1339, 44.5316 by changing the saturation by 10% instead.





 46.2516, 41.1339,  
44.5316


 46.2516, 41.1339,  
44.5316


362.5182,  
350.8799, 380.9779

 32.6499, 28.4237,  
30.7484


 83.8210, 76.8871,  
83.3281

 22.0163, 18.6453,  
20.1505


 108.5193,  
100.6989, 109.1784

 13.9856, 11.4143,  
12.3193

137.6473,  
128.9801, 139.8882

 8.1923, 6.3462,  
6.8364

171.5702,  
162.1150, 175.8760

 4.2711, 3.0567,  
3.2831

210.6533,  
200.4881, 217.5603

 1.8566, 1.1614,  
1.2409

255.2622,

 0.5514, 0.0299,

244.4836, 265.3597

0.0126

305.7620,  
294.4861, 319.6927

■ 0.0000, 0.0000,  
0.0000

■ 46.2516, 41.1339,  
44.5316

■ 46.2516, 41.1339,  
44.5316

■ 41.5812, 34.0170,  
36.1178

■ 51.7067, 49.5468,  
54.0477

■ 37.6550, 28.1259,  
28.7632

■ 57.9773, 59.3100,  
64.7022

■ 34.4344, 23.3923,  
22.4250

■ 65.0969, 70.4816,  
76.5326

■ 31.8755, 19.7391,  
17.0570

■ 73.0961, 83.1147,  
89.5737

■ 29.9294, 17.0794,  
12.6087

■ 79.3965, 92.0449,  
102.9901

■ 28.5401, 15.3130,  
9.0248

■ 80.3885, 92.4417,  
108.2139

■ 27.6400, 14.3179,  
6.2427

■ 27.3053, 13.9924,  
5.0710

# Harmonies

## Analogous

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



45.2956, 41.1339, 54.9239



46.2516, 41.1339, 44.5316



45.1968, 41.1339, 35.5995

# Triad

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



46.2516, 41.1339, 44.5316



35.7407, 41.1339, 30.1285



35.8871, 41.1339, 63.8902

# Complementary

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



46.2516, 41.1339, 44.5316



47.1127, 57.3489, 60.8137

# 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.



33.5715, 41.1339, 55.4349



46.2516, 41.1339, 44.5316



33.4905, 41.1339, 35.9824

# Square

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



46.2516, 41.1339, 44.5316



39.0070, 41.1339, 28.0871



32.7203, 41.1339, 45.0450



39.1862, 41.1339, 67.0647



# Rectangle

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



46.2516, 41.1339, 44.5316



43.5297, 41.1339, 31.4066



32.7203, 41.1339, 45.0450



34.9751, 41.1339, 61.5145

# Sweetspot

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



46.2528, 41.1358, 44.5324



87.5879, 88.3234, 96.4005



46.4358, 40.7465, 66.3907



18.6163, 18.7003, 20.4121



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.



46.2528, 41.1358, 44.5324



67.5795, 57.4279, 61.6117



46.9889, 44.6473, 38.4912



11.9376, 11.8598, 12.9471



16.6919, 8.5496, 3.2837



0.9668, 0.4914, 0.3600



# Inverse Universe

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



46.2528, 41.1358, 44.5324



67.5795, 57.4279, 61.6117



46.0970, 52.6478, 68.7057



11.9376, 11.8598, 12.9471



16.6919, 8.5496, 3.2837

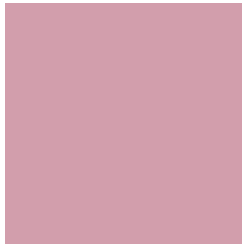


0.9668, 0.4914, 0.3600



# Previews

## White Background



This preview shows how the XYZ color 46.2516, 41.1339, 44.5316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

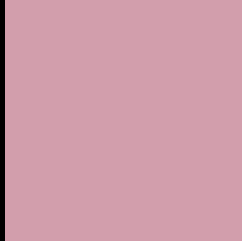
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.2516, 41.1339, 44.5316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

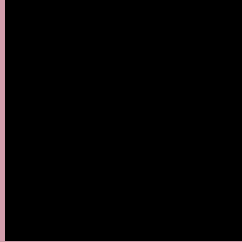
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.2516, 41.1339, 44.5316**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2516, 41.1339, 44.5316.



This preview shows how white text looks on a background with the XYZ color 46.2516, 41.1339,



# 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

46.2516, 41.1339, 44.5316

### Protanopia

40.0347, 41.3053, 49.0427

### Deuteranopia

42.0607, 41.3585, 43.7964



## Tritanopia

46.0609, 41.0576, 43.5275

# Trichromacy



## Original Color

46.2516, 41.1339, 44.5316

## Protanomaly

41.8217, 40.8859, 47.2825

## Deuteranomaly

43.6521, 41.3615, 44.2109

## Tritanomaly

46.1559, 41.0956, 44.0276

# Monochromacy



## Original Color

46.2516, 41.1339, 44.5316

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.5670, 42.1233, 45.9315

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2516, 41.1339, 44.5316 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(210, 158, 172)` looks like.

```
.text, #text, p{  
    color:rgb(210, 158, 172)  
}
```

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(210, 158, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 158, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2516, 41.1339, 44.5316 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(210, 158, 172) }
```



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

```
.border{ border-color:rgb(210, 158, 172) }
```

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

Here you see how a box with a 4 pixel rgb(210, 158, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 158, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 158, 172);  
box-shadow:4px 4px 4px 4px rgb(210, 158,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2516, 41.1339, 44.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 158, 172) }
```

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

```
.background{ background-color: rgb(210,  
158, 172) }
```

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