

# Converting Colors

XYZ(46.0666, 39.9322, 45.9606)

Have a look what the booklet for  
XYZ(46.0666, 39.9322, 45.9606)  
contains.

<b>XYZ(46.1574, 40.0552, 45.8561)</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(46.1574, 40.0552,  
45.8561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D39AAF
RGB	211, 154, 175
RGB Percent	83%, 60%, 69%
CMY	0.1725, 0.3961, 0.3137
CMYK	0.00, 0.27, 0.17, 0.17
HSL	338°, 39%, 72%
HSV	338°, 27%, 83%
XYZ	46.1574, 40.0552, 45.8561
YIQ	173.4370, 27.2310, 18.6150

# Conversions

## Conversions Part 2

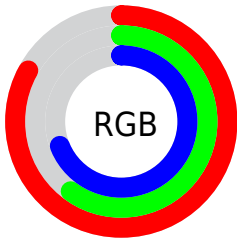
Format	Color
R <sub>Y</sub> B	211, 154, 175
Decimal	13867695
CIE Lab	69.51, 24.44, -2.49
CIE LCh	70, 24.564, 354.194
Yxy	40.0552, 0.3495, 0.3033
Android (android.graphics.Color)	4292057775 (0xFFD39AAF)
YUV	173.4370, 0.7706, 32.9428
Hunter-Lab	63.2892, 19.4257, 1.3439

# Details

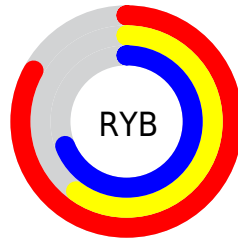
The XYZ color **46.1574, 40.0552, 45.8561** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.9166, 57.1773, 57.3341**, and the grayscale version is **39.9310, 42.0105, 45.7494**.

A 20% lighter version of the original color is **78.3234, 72.5741, 84.7430**, and **22.0368, 18.0007, 21.0519** is the 20% darker color. If you saturate the color by 10%, you get **41.7313, 33.1951, 38.2384**, and if you desaturate by 10%, it is **51.3271, 48.1949, 54.3600**.

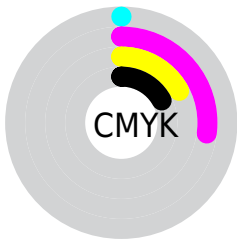
# Distribution



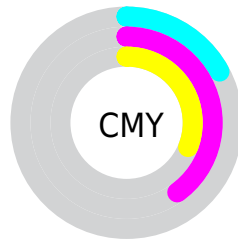
- Red (83%)
- Green (60%)
- Blue (69%)



- Red (83%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (27%)
- Yellow (17%)
- Black (17%)




- Cyan (17%)
- Magenta (40%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1574, 40.0552, 45.8561 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 46.1574, 40.0552, 45.8561 by changing the saturation by 10% instead.




 46.1574, 40.0552,  
45.8561


 46.1574, 40.0552,  
45.8561


362.1464,  
346.3562, 386.4906

 32.5752, 27.5816,  
31.7844


 83.6809, 75.2476,  
85.3356

 21.9589, 18.0105,  
20.9334


 108.3530, 98.7351,  
111.5805

 13.9431, 10.9575,  
12.8846


137.4523,  
126.6627, 142.7203

 8.1626, 6.0383,  
7.2193

171.3444,  
159.4149, 179.1734

 4.2518, 2.8684,  
3.5191

210.3944,  
197.3759, 221.3585

 1.8456, 1.0634,  
1.3654

254.9679,

 0.5449, 0.0000,

240.9302, 269.6940

0.1145

305.4301,  
290.4621, 324.5985

■ 0.0000, 0.0000,  
0.0000

■ 46.1574, 40.0552,  
45.8561

■ 46.1574, 40.0552,  
45.8561

■ 41.7313, 33.1951,  
38.2384

■ 51.3271, 48.1949,  
54.3600

■ 38.0096, 27.5434,  
31.4741

■ 57.2703, 57.6694,  
63.7763

■ 34.9546, 23.0306,  
25.5318

■ 64.0193, 68.5376,  
74.1333

■ 32.5235, 19.5775,  
20.3771

■ 71.6035, 80.8530,  
85.4569

■ 30.6681, 17.0949,  
15.9726

■ 78.5967, 91.7580,  
97.2876

■ 29.3327, 15.4784,  
12.2771

■ 80.6684, 92.5867,  
108.1971

■ 28.4446, 14.5906,  
9.2420

■ 80.6741, 92.5890,  
108.2272

■ 28.2296, 14.3951,  
8.4474

# Harmonies

## Analogous

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



44.5843, 40.0552, 57.6510



46.1574, 40.0552, 45.8561



45.4453, 40.0552, 35.2753

# Triad

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



46.1574, 40.0552, 45.8561



35.0361, 40.0552, 26.5971



33.7893, 40.0552, 63.7898

# Complementary

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



46.1574, 40.0552, 45.8561



45.9166, 57.1773, 57.3341

# 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.



31.5414, 40.0552, 53.1714



46.1574, 40.0552, 45.8561



32.2256, 40.0552, 32.0621

# Square

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



46.1574, 40.0552, 45.8561



38.8465, 40.0552, 25.3215



30.9894, 40.0552, 41.4449



37.3064, 40.0552, 69.0953



# Rectangle

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



46.1574, 40.0552, 45.8561



43.7939, 40.0552, 30.1134



30.9894, 40.0552, 41.4449



32.8702, 40.0552, 60.6432

# Sweetspot

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



46.1585, 40.0570, 45.8569



86.8782, 86.8656, 96.2827



44.3385, 38.6544, 66.7525



18.2860, 18.0977, 20.1232



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.



46.1585, 40.0570, 45.8569



67.0948, 55.6345, 63.9898



45.3819, 41.5514, 36.2024



11.9862, 11.8792, 13.2032



17.0818, 8.7056, 5.3372



0.9929, 0.5019, 0.4976



# Inverse Universe

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



46.1585, 40.0570, 45.8569



67.0948, 55.6345, 63.9898



46.7618, 54.9265, 69.7657



11.9862, 11.8792, 13.2032



17.0818, 8.7056, 5.3372

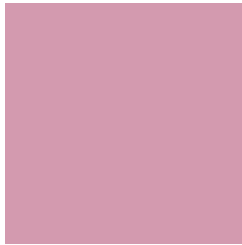


0.9929, 0.5019, 0.4976



# Previews

## White Background



This preview shows how the XYZ color 46.1574, 40.0552, 45.8561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

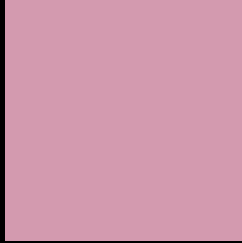
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.1574, 40.0552, 45.8561 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 46.1574, 40.0552, 45.8561**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.1574, 40.0552, 45.8561.



This preview shows how white text looks on a background with the XYZ color 46.1574, 40.0552,

45.8561.

# 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

46.1574, 40.0552, 45.8561

### Protanopia

39.2019, 40.2716, 51.0544

### Deuteranopia

41.0055, 40.2417, 45.1414



## Tritanopia

45.2747, 39.9343, 41.8811

# Trichromacy



## Original Color

46.1574, 40.0552, 45.8561

## Protanomaly

41.3831, 40.0775, 49.2707

## Deuteranomaly

42.6330, 40.0151, 45.5211

## Tritanomaly

45.5554, 40.0466, 43.3589

# Monochromacy



## Original Color

46.1574, 40.0552, 45.8561

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.7697, 40.8932, 45.7361

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1574, 40.0552, 45.8561 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(211, 154, 175)` looks like.

```
.text, #text, p{  
    color:rgb(211, 154, 175)  
}
```

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(211, 154, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 154, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1574, 40.0552, 45.8561 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(211, 154, 175) }
```



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

```
.border{ border-color:rgb(211, 154, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 154, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 154, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 154, 175);  
box-shadow:4px 4px 4px 4px rgb(211, 154,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1574, 40.0552, 45.8561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 154, 175) }
```

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

```
.background{ background-color: rgb(211,  
154, 175) }
```

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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