

# Converting Colors

XYZ(41.5035, 42.8736, 45.9305)

Have a look what the booklet for  
XYZ(41.5035, 42.8736, 45.9305)  
contains.

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# Color

**XYZ(41.5984, 43.0314,  
46.1578)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4AEAE
RGB	180, 174, 174
RGB Percent	71%, 68%, 68%
CMY	0.2941, 0.3176, 0.3176
CMYK	0.00, 0.03, 0.03, 0.29
HSL	0°, 4%, 69%
HSV	0°, 3%, 71%
XYZ	41.5984, 43.0314, 46.1578
YIQ	175.7940, 3.5760, 1.2720

# Conversions

## Conversions Part 2

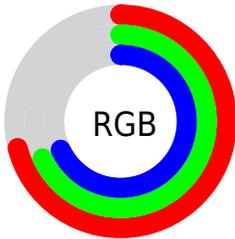
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 174, 174
Decimal	11841198
CIELab	71.58, 2.14, 0.75
CIELCh	72, 2.265, 19.380
Yxy	43.0314, 0.3181, 0.3290
Android (android.graphics.Color)	4290031278 (0xFFB4AEAE)
YUV	175.7940, -0.8844, 3.6887
Hunter-Lab	65.5983, -1.6034, 4.1998

# Details

The XYZ color **41.5984, 43.0314, 46.1578** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.0149, 44.9357, 49.6396**, and the grayscale version is **41.1637, 43.3074, 47.1618**.

A 20% lighter version of the original color is **76.7542, 79.5286, 85.4339**, and **19.2248, 19.8362, 21.2279** is the 20% darker color. If you saturate the color by 10%, you get **36.7143, 35.8854, 36.4445**, and if you desaturate by 10%, it is **47.1857, 51.2063, 57.2668**.

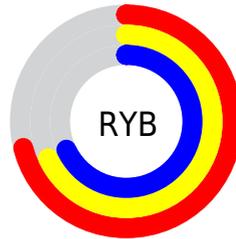
# Distribution



Red (71%)

Green (68%)

Blue (68%)



Red (71%)

Yellow (68%)

Blue (68%)

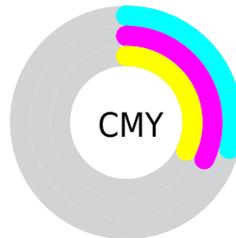


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (29%)



Cyan (29%)

Magenta (32%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5984, 43.0314, 46.1578 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 41.5984, 43.0314, 46.1578 by changing the saturation by 10% instead.

■ 41.5984, 43.0314,  
46.1578

■ 41.5984, 43.0314,  
46.1578

343.8355,  
358.7409, 387.7387

■ 28.9767, 29.9098,  
32.0208

■ 76.8604, 79.7582,  
85.7919

■ 19.2074, 19.7701,  
21.1124

100.2315,  
104.1322, 112.1260

■ 11.9251, 12.2280,  
13.0142

127.9164,  
133.0258, 143.3630

■ 6.7645, 6.8992,  
7.3075

160.2804,  
166.8233, 179.9213

■ 3.3603, 3.3991,  
3.5738

197.6890,  
205.9092, 222.2195

■ 1.3470, 1.3435,  
1.3946

240.5074,

■ 0.2180, 0.1745,

250.6678, 270.6761

0.1375

289.1011,  
301.4836, 325.7096

■ 0.0000, 0.0000,  
0.0000

■ 41.5984, 43.0314,  
46.1578

■ 41.5984, 43.0314,  
46.1578

■ 36.7143, 35.8854,  
36.4445

■ 47.1857, 51.2063,  
57.2668

■ 32.5020, 29.7221,  
28.0690

■ 53.4986, 60.4426,  
69.8206

■ 28.9333, 24.5004,  
20.9737

■ 60.5631, 70.7784,  
83.8694

■ 25.9765, 20.1739,  
15.0954

■ 68.4029, 82.2483,  
99.4603

■ 23.5973, 16.6923,  
10.3659

■ 72.6326, 88.4434,  
107.8509

■ 21.7578, 14.0004,  
6.7099

■ 20.4160, 12.0366,  
4.0436

■ 19.5233, 10.7298,  
2.2704

■ 19.0215, 9.9951,  
1.2745

# Harmonies

## Analogous

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



41.6278, 43.0314, 47.2435



41.5984, 43.0314, 46.1578



41.3812, 43.0314, 45.2718

# Triad

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



41.5984, 43.0314, 46.1578



40.3439, 43.0314, 45.4947



40.7645, 43.0314, 48.9566

# Complementary

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



41.5984, 43.0314, 46.1578



42.0149, 44.9357, 49.6396

# 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.



40.4227, 43.0314, 48.4724



41.5984, 43.0314, 46.1578



40.1808, 43.0314, 46.4664

# Square

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



41.5984, 43.0314, 46.1578



40.6563, 43.0314, 44.8932



40.2096, 43.0314, 47.5569



41.1448, 43.0314, 48.8709

# Rectangle

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



41.5984, 43.0314, 46.1578



41.1598, 43.0314, 44.9083



40.2096, 43.0314, 47.5569



40.6414, 43.0314, 48.8548

# Sweetspot

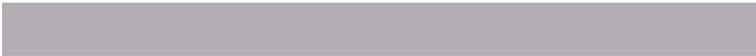
The Sweet Spot groups the original color and five complimentary colors.



41.5996, 43.0333, 46.1587



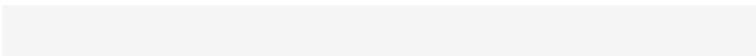
77.6591, 81.2918, 88.1311



42.1972, 43.2713, 49.3087



16.7964, 17.5869, 19.0711



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.5996, 43.0333, 46.1587



74.7341, 77.0122, 82.3147



42.1851, 44.2042, 46.3539



9.0071, 9.2527, 9.8614



13.1378, 6.7741, 0.6151



0.4135, 0.2134, 0.0194



# Inverse Universe

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



42.0149, 44.9357, 49.6396



75.6489, 81.2023, 89.9811



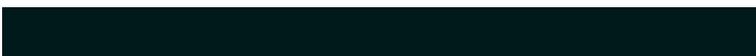
41.4165, 43.7388, 49.4401



9.1338, 9.8329, 10.9229



17.1276, 25.0555, 34.0705

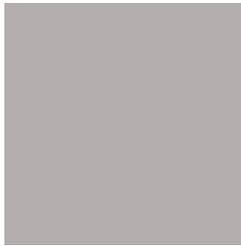


0.5390, 0.7886, 1.0720



# Previews

## White Background



This preview shows how the XYZ color 41.5984, 43.0314, 46.1578 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 41.5984, 43.0314, 46.1578 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

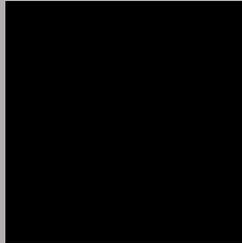
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

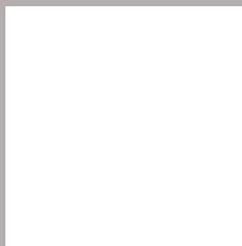
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.5984, 43.0314, 46.1578**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5984, 43.0314, 46.1578.



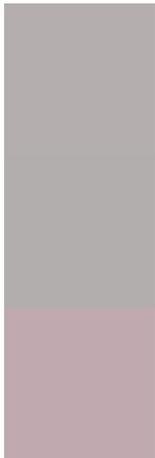
This preview shows how white text looks on a background with the XYZ color 41.5984, 43.0314,



# 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

41.5984, 43.0314, 46.1578

### Protanopia

41.3664, 42.9118, 46.1470

### Deuteranopia

43.8508, 43.0511, 46.5559



## Tritanopia

42.9069, 42.9953, 52.4919

# Trichromacy



## Original Color

41.5984, 43.0314, 46.1578

## Protanomaly

41.3664, 42.9118, 46.1470

## Deuteranomaly

43.0398, 42.9123, 46.5719

## Tritanomaly

42.4431, 43.0883, 50.3358

# Monochromacy



## Original Color

41.5984, 43.0314, 46.1578

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

41.1993, 43.1022, 46.7056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5984, 43.0314, 46.1578 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(180, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(180, 174, 174)  
}
```

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(180, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 174, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5984, 43.0314, 46.1578 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(180, 174, 174) }
```

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

```
.border{ border-color:rgb(180, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(180, 174,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5984, 43.0314, 46.1578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 174, 174) }
```

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

```
.background{ background-color: rgb(180,  
174, 174) }
```

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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