

# Converting Colors

XYZ(40.6114, 47.2149, 34.9254)

Have a look what the booklet for  
XYZ(40.6114, 47.2149, 34.9254)  
contains.

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# Color

**XYZ(40.7765, 47.4175,  
35.0203)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADBD94
RGB	173, 189, 148
RGB Percent	68%, 74%, 58%
CMY	0.3216, 0.2588, 0.4196
CMYK	0.08, 0.00, 0.22, 0.26
HSL	83°, 24%, 66%
HSV	83°, 22%, 74%
XYZ	40.7765, 47.4175, 35.0203
YIQ	179.5420, 3.6250, -16.1430

# Conversions

## Conversions Part 2

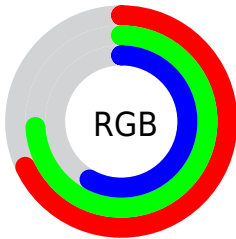
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 189, 164
Decimal	11386260
CIELab	74.46, -12.79, 18.93
CIELCh	74, 22.846, 124.054
Yxy	47.4175, 0.3309, 0.3848
Android (android.graphics.Color)	4289576340 (0xFFADBBD94)
YUV	179.5420, -15.5502, -5.7373
Hunter-Lab	68.8604, -14.8047, 18.0492

# Details

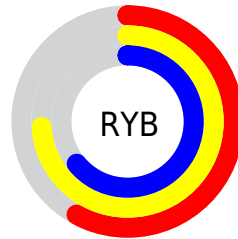
The XYZ color **40.7765, 47.4175, 35.0203** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.0868, 32.7477, 52.6182**, and the grayscale version is **43.2173, 45.4680, 49.5146**.

A 20% lighter version of the original color is **75.6262, 86.2271, 68.5347**, and **18.7076, 22.4645, 14.6593** is the 20% darker color. If you saturate the color by 10%, you get **37.8149, 46.0512, 27.6999**, and if you desaturate by 10%, it is **44.0750, 48.9322, 43.6336**.

# Distribution



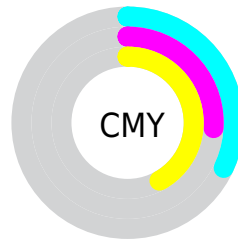
- Red (68%)
- Green (74%)
- Blue (58%)



- Red (58%)
- Yellow (74%)
- Blue (64%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (26%)




- Cyan (32%)
- Magenta (26%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7765, 47.4175, 35.0203 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 40.7765, 47.4175, 35.0203 by changing the saturation by 10% instead.





 40.7765, 47.4175,  
35.0203


 40.7765, 47.4175,  
35.0203


340.4642,  
376.4786, 339.5649

 28.3314, 33.3658,  
23.3948


 75.6213, 86.3365,  
68.6691

 18.7173, 22.4068,  
14.6773


 98.7518, 111.9726,  
91.5296

 11.5690, 14.1561,  
8.4491

126.1747,  
142.2390, 118.9721

 6.5210, 8.2293,  
4.2918

158.2555,  
177.5200, 151.4153

 3.2081, 4.2421,  
1.7867

195.3595,  
218.2001, 189.2776

 1.2647, 1.8099,  
0.4192

237.8520,

 0.1566, 0.4933,

264.6636, 232.9776

0.0000

286.0985,  
317.2950, 282.9339

■ 0.0000, 0.0000,  
0.0000

■ 40.7765, 47.4175,  
35.0203

■ 40.7765, 47.4175,  
35.0203

■ 37.8149, 46.0512,  
27.6999

■ 44.0750, 48.9322,  
43.6336

■ 35.1732, 44.8214,  
21.6068

■ 47.7191, 50.5941,  
53.5949

■ 32.8383, 43.7245,  
16.6745

■ 51.7218, 52.4101,  
64.9599

■ 30.7947, 42.7540,  
12.8288

■ 56.0942, 54.3850,  
77.7802

■ 29.0250, 41.9027,  
9.9870

■ 60.8470, 56.5230,  
92.1047

■ 27.5098, 41.1628,  
8.0544

■ 64.9418, 58.4090,  
102.4590

■ 26.2260, 40.5248,  
6.9183

■ 67.1874, 59.5666,  
102.5641

■ 25.2998, 40.0579,  
6.3985

■ 69.5323, 60.7755,  
102.6738

■ 71.9778, 62.0362,  
102.7883

# Harmonies

## Analogous

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



44.5112, 47.4175, 32.1429



40.7765, 47.4175, 35.0203



38.3137, 47.4175, 42.3250

# Triad

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



40.7765, 47.4175, 35.0203



41.6907, 47.4175, 74.8376



53.4425, 47.4175, 50.0422

# Complementary

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



40.7765, 47.4175, 35.0203



35.0868, 32.7477, 52.6182

# 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.



52.5748, 47.4175, 62.2067



40.7765, 47.4175, 35.0203



45.6313, 47.4175, 77.7306

# Square

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



40.7765, 47.4175, 35.0203



38.8185, 47.4175, 65.4058



49.6525, 47.4175, 72.8020



51.9566, 47.4175, 39.9378



# Rectangle

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



40.7765, 47.4175, 35.0203



37.6393, 47.4175, 49.3146



49.6525, 47.4175, 72.8020



53.4170, 47.4175, 54.0160

# Sweetspot

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



40.7777, 47.4196, 35.0213



81.8464, 88.9632, 86.0123



39.5580, 39.4081, 33.5392



17.5173, 19.0931, 18.2694



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

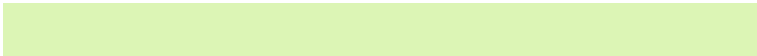


# Same Dimension

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



40.7777, 47.4196, 35.0213



70.4506, 83.7354, 56.2473



36.6403, 45.2867, 34.8277



9.9519, 10.9296, 10.1617



17.1093, 26.9960, 4.3090



0.7415, 1.0942, 0.1721



# Inverse Universe

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



35.0868, 32.7477, 52.6182



58.4576, 52.8109, 93.3387



39.5960, 35.0723, 52.8293



9.3592, 9.4021, 11.9937



8.1484, 3.4867, 32.6364



0.3929, 0.1746, 1.2818



# Previews

## White Background



This preview shows how the XYZ color 40.7765, 47.4175, 35.0203 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 40.7765, 47.4175, 35.0203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

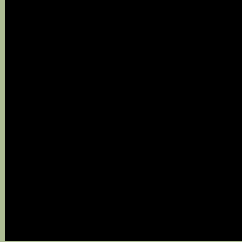
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.7765, 47.4175, 35.0203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7765, 47.4175, 35.0203.



This preview shows how white text looks on a background with the XYZ color 40.7765, 47.4175,



# 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

40.7765, 47.4175, 35.0203

### Protanopia

44.2925, 47.3806, 33.5990

### Deuteranopia

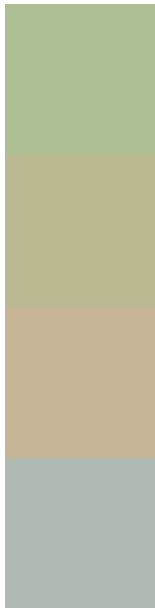
48.2626, 47.2821, 35.8608



## Tritanopia

45.6284, 47.1904, 59.5271

# Trichromacy



## Original Color

40.7765, 47.4175, 35.0203

## Protanomaly

42.7870, 47.2123, 34.0519

## Deuteranomaly

45.3176, 47.2555, 35.5869

## Tritanomaly

43.6171, 47.2997, 49.4787

# Monochromacy



## Original Color

40.7765, 47.4175, 35.0203

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

42.1328, 46.0412, 43.7120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7765, 47.4175, 35.0203 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(173, 189, 148)` looks like.

```
.text, #text, p{  
    color:rgb(173, 189, 148)  
}
```

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(173, 189, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 189, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7765, 47.4175, 35.0203 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(173, 189, 148) }
```



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

```
.border{ border-color:rgb(173, 189, 148) }
```

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

Here you see how a box with a 4 pixel rgb(173, 189, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 189, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 189, 148);  
box-shadow:4px 4px 4px 4px rgb(173, 189,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7765, 47.4175, 35.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 189, 148) }
```

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

```
.background{ background-color: rgb(173,  
189, 148) }
```

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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