

# Converting Colors

XYZ(41.4134, 47.5489, 44.0380)

Have a look what the booklet for  
XYZ(41.4134, 47.5489, 44.0380)  
contains.

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# Color

**XYZ(41.4139, 47.5472,  
44.0406)**

# Conversions

Conversions Part 1	
Format	Color
Hex	A8BDA8
RGB	168, 189, 168
RGB Percent	66%, 74%, 66%
CMY	0.3412, 0.2588, 0.3412
CMYK	0.11, 0.00, 0.11, 0.26
HSL	120°, 14%, 70%
HSV	120°, 11%, 74%
XYZ	41.4139, 47.5472, 44.0406
YIQ	180.3270, -5.7750, -10.9830

# Conversions

## Conversions Part 2

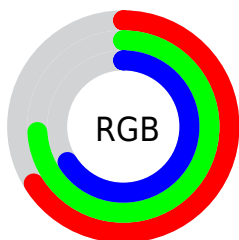
Format	Color
<a href="#">RYB</a>	<a href="#">168, 189, 189</a>
Decimal	<a href="#">11058600</a>
CIELab	<a href="#">74.54, -11.19, 8.19</a>
CIELCh	<a href="#">75, 13.871, 143.802</a>
Yxy	<a href="#">47.5472, 0.3114, 0.3575</a>
Android (android.graphics.Color)	<a href="#">4289248680</a> (0xFFA8BDA8)
YUV	<a href="#">180.3270, -6.0772, -10.8108</a>
Hunter-Lab	<a href="#">68.9545, -13.4636, 10.4001</a>

# Details

The XYZ color **41.4139, 47.5472, 44.0406** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1759, 42.4992, 54.0211**, and the grayscale version is **43.5931, 45.8633, 49.9451**.

A 20% lighter version of the original color is **76.4031, 86.3205, 82.4467**, and **19.1590, 22.5823, 19.8720** is the 20% darker color. If you saturate the color by 10%, you get **36.0442, 44.9693, 35.2566**, and if you desaturate by 10%, it is **47.6270, 50.5331, 54.2020**.

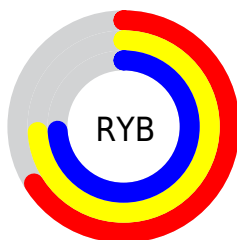
# Distribution



Red (66%)

Green (74%)

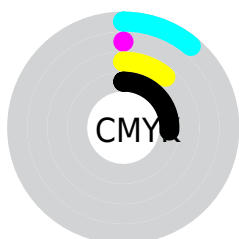
Blue (66%)



Red (66%)

Yellow (74%)

Blue (74%)

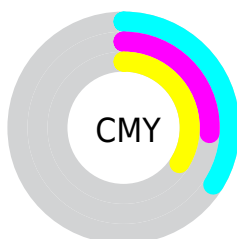


Cyan (11%)

Magenta (0%)

Yellow (11%)

Black (26%)



Cyan (34%)

Magenta (26%)

Yellow (34%)


# Brightness & Saturation

## Gradients

These gradients show how the XYZ color 41.4139, 47.5472, 44.0406 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 41.4139, 47.5472, 44.0406 by changing the saturation by 10% instead.





 41.4139, 47.5472,  
44.0406


 41.4139, 47.5472,  
44.0406


343.0807,  
376.9945, 378.9201

 28.8317, 33.4684,  
30.3650


 76.5826, 86.5298,  
82.5820

 19.0972, 22.4855,  
19.8614


 99.8998, 112.2025,  
108.2848

 11.8450, 14.2141,  
12.1113


127.5260,  
142.5086, 138.8338

 6.7096, 8.2697,  
6.6960

159.8267,  
177.8326, 174.6475

 3.3259, 4.2680,  
3.1972

197.1671,  
218.5588, 216.1444

 1.3284, 1.8246,  
1.1962


239.9127,

 0.2043, 0.5024,


265.0715, 263.7432


0.0000


288.4288,  
317.7553, 317.8622


 0.0000, 0.0000,  
0.0000


 41.4139, 47.5472,  
44.0406


 41.4139, 47.5472,  
44.0406


 36.0442, 44.9693,  
35.2566


 47.6270, 50.5331,  
54.2020


 31.4780, 42.7759,  
27.7877


 54.7136, 53.9371,  
65.7932


 27.6778, 40.9504,  
21.5717

 62.7070, 57.7768,  
78.8675

 24.6016, 39.4728,  
16.5400

 71.6376, 62.0666,  
93.4749

 22.2035, 38.3209,  
12.6174

 77.4885, 64.8771,  
103.0462

■ 20.4323, 37.4701,  
9.7202

■ 19.2295, 36.8923,  
7.7528

■ 18.5257, 36.5543,  
6.6015

■ 18.1986, 36.3971,  
6.0664

# Harmonies

## Analogous

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



43.2751, 47.5472, 40.1425



41.4139, 47.5472, 44.0406



40.5688, 47.5472, 50.2951

# Triad

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



41.4139, 47.5472, 44.0406



44.6739, 47.5472, 66.7388



49.7461, 47.5472, 46.3984

# Complementary

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



41.4139, 47.5472, 44.0406



44.1759, 42.4992, 54.0211

# 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.



50.1542, 47.5472, 53.2751



41.4139, 47.5472, 44.0406



47.1650, 47.5472, 65.4523

# Square

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



41.4139, 47.5472, 44.0406



42.4056, 47.5472, 63.7257



49.1936, 47.5472, 60.3565



48.0982, 47.5472, 41.4132



# Rectangle

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



41.4139, 47.5472, 44.0406



40.6721, 47.5472, 55.1336



49.1936, 47.5472, 60.3565



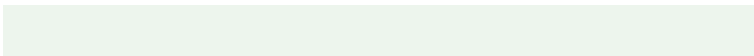
50.0353, 47.5472, 48.5476

# Sweetspot

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



41.4152, 47.5492, 44.0416



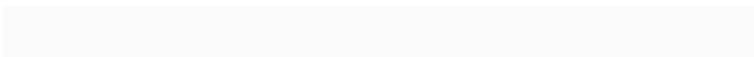
83.0223, 89.4081, 93.3524



46.2539, 50.0437, 44.2678



17.6534, 19.1307, 19.7476



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

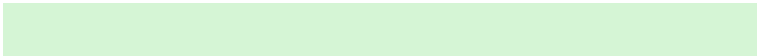


# Same Dimension

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



41.4152, 47.5492, 44.0416



72.0329, 84.1293, 75.3776



42.4336, 47.9566, 49.4046



9.4088, 10.6496, 10.1364



12.2440, 24.4879, 4.0815



0.4796, 0.9592, 0.1599



# Inverse Universe

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



44.1759, 42.4992, 54.0211



77.8254, 73.5332, 96.3169



43.0766, 42.0595, 48.2325



9.9300, 9.6963, 12.0203



20.3000, 9.7511, 33.2028

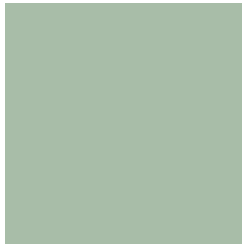


0.7952, 0.3820, 1.3006



# Previews

## White Background



This preview shows how the XYZ color 41.4139, 47.5472, 44.0406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

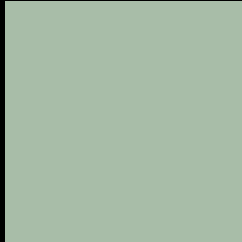
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4139, 47.5472, 44.0406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

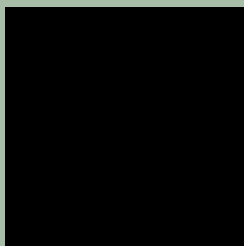
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

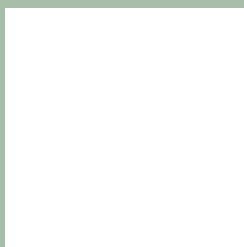
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.4139, 47.5472, 44.0406**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4139, 47.5472, 44.0406.



This preview shows how white text looks on a background with the XYZ color 41.4139, 47.5472,



# 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

41.4139, 47.5472, 44.0406

### Protanopia

45.0053, 47.2489, 42.3452

### Deuteranopia




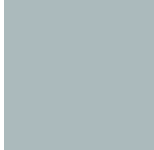
48.1547, 47.3257, 44.6270




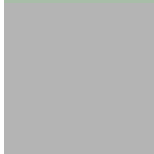
## Tritanopia

44.6829, 47.2887, 60.8054

# Trichromacy

	<b>Original Color</b> 41.4139, 47.5472, 44.0406
	<b>Protanomaly</b> 43.7603, 47.5184, 42.9419
	<b>Deuteranomaly</b> 45.4235, 47.1188, 44.2369
	<b>Tritanomaly</b> 43.4306, 47.4066, 54.4383

# Monochromacy

	<b>Original Color</b> 41.4139, 47.5472, 44.0406
	<b>Achromatopsia</b> 43.3819, 45.6411, 49.7032
	<b>Achromatomaly</b> 42.6745, 46.2317, 47.7487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4139, 47.5472, 44.0406 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(168, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 168)  
}
```

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(168, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4139, 47.5472, 44.0406 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(168, 189, 168) }
```



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

```
.border{ border-color:rgb(168, 189, 168) }
```

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

Here you see how a box with a 4 pixel rgb(168, 189, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 189,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4139, 47.5472, 44.0406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 168) }
```

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

```
.background{ background-color: rgb(168,  
189, 168) }
```

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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