

# Converting Colors

XYZ(41.8481, 47.9320, 44.8762)

Have a look what the booklet for  
XYZ(41.8481, 47.9320, 44.8762)  
contains.

<b>XYZ(42.0313, 48.1642, 45.1115)</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(42.0313, 48.1642,  
45.1115)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9BEAA
RGB	169, 190, 170
RGB Percent	66%, 75%, 67%
CMY	0.3373, 0.2549, 0.3333
CMYK	0.11, 0.00, 0.11, 0.25
HSL	123°, 14%, 70%
HSV	123°, 11%, 75%
XYZ	42.0313, 48.1642, 45.1115
YIQ	181.4410, -6.0960, -10.6720

# Conversions

## Conversions Part 2

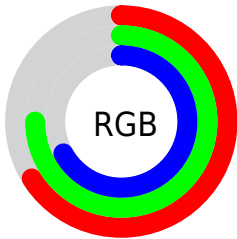
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 189, 190
Decimal	11124394
CIELab	74.93, -11.00, 7.67
CIELCh	75, 13.413, 145.096
Yxy	48.1642, 0.3106, 0.3560
Android (android.graphics.Color)	4289314474 (0xFFA9BEAA)
YUV	181.4410, -5.6404, -10.9108
Hunter-Lab	69.4004, -13.3450, 10.0408

# Details

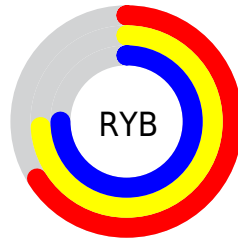
The XYZ color **42.0313, 48.1642, 45.1115** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.6102, 42.9983, 54.0947**, and the grayscale version is **44.1928, 46.4942, 50.6322**.

A 20% lighter version of the original color is **77.2868, 87.1951, 83.9910**, and **19.5518, 22.9812, 20.5449** is the 20% darker color. If you saturate the color by 10%, you get **36.6520, 45.5768, 36.5308**, and if you desaturate by 10%, it is **48.2413, 51.1554, 54.9631**.

# Distribution



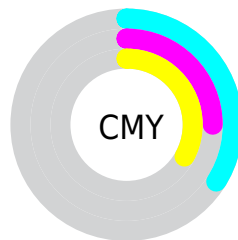
- Red (66%)
- Green (75%)
- Blue (67%)



- Red (66%)
- Yellow (74%)
- Blue (75%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)



- Cyan (34%)
- Magenta (25%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0313, 48.1642, 45.1115 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 42.0313, 48.1642, 45.1115 by changing the saturation by 10% instead.



■ 42.0313, 48.1642,  
45.1115

■ 42.0313, 48.1642,  
45.1115

345.6021,  
379.4426, 383.3982

■ 29.3170, 33.9569,  
31.2017

■ 77.5119, 87.4488,  
84.2079

■ 19.4663, 22.8605,  
20.4927

101.0088,  
113.2950, 110.2316

■ 12.1137, 14.4905,  
12.5661

128.8308,  
143.7896, 141.1303

■ 6.8939, 8.4626,  
7.0032

161.3430,  
179.3170, 177.3226

■ 3.4416, 4.3924,  
3.3856

198.9109,  
220.2616, 219.2270

■ 1.3913, 1.8954,  
1.2948

241.8998,

■ 0.2500, 0.5456,

267.0078, 267.2620

0.0575

290.6751,  
319.9400, 321.8463

■ 0.0000, 0.0000,  
0.0000

■ 42.0313, 48.1642,  
45.1115

■ 42.0313, 48.1642,  
45.1115

■ 36.6520, 45.5768,  
36.5308

■ 48.2413, 51.1554,  
54.9631

■ 32.0644, 43.3700,  
29.1663

■ 55.3110, 54.5600,  
66.1310

■ 28.2323, 41.5279,  
22.9639

■ 63.2727, 58.3954,  
78.6623

■ 25.1152, 40.0306,  
17.8643

■ 72.1562, 62.6756,  
92.6010

■ 22.6688, 38.8568,  
13.8029

■ 77.7044, 65.3088,  
103.1181

■ 20.8438, 37.9825,  
10.7085

■ 19.5841, 37.3807,  
8.5007

■ 18.8236, 37.0192,  
7.0865

■ 18.4640, 36.8486,  
6.3992

# Harmonies

## Analogous

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



43.8140, 48.1642, 41.1730



42.0313, 48.1642, 45.1115



41.2537, 48.1642, 51.3004

# Triad

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



42.0313, 48.1642, 45.1115



45.3780, 48.1642, 67.0294



50.1682, 48.1642, 46.9383

# Complementary

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



42.0313, 48.1642, 45.1115



44.6102, 42.9983, 54.0947

# 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.



50.6229, 48.1642, 53.6017



42.0313, 48.1642, 45.1115



47.8011, 48.1642, 65.6011

# Square

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



42.0313, 48.1642, 45.1115



43.1416, 48.1642, 64.2743



49.7423, 48.1642, 60.5279



48.5210, 48.1642, 42.1601



# Rectangle

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



42.0313, 48.1642, 45.1115



41.3891, 48.1642, 56.0269



49.7423, 48.1642, 60.5279



50.4680, 48.1642, 49.0146

# Sweetspot

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



42.0326, 48.1663, 45.1126



85.0494, 91.5568, 95.8483



46.6377, 50.5512, 44.8359



18.4681, 20.0049, 20.7178



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

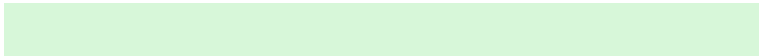


# Same Dimension

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



42.0326, 48.1663, 45.1126



73.9382, 86.2078, 78.2018



43.0357, 48.5675, 50.3946



9.4267, 10.6568, 10.2306



12.2852, 24.5044, 4.2986



0.4876, 0.9624, 0.2019



# Inverse Universe

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



44.6102, 42.9983, 54.0947



79.4380, 75.1805, 97.3672



43.5412, 42.5707, 48.4653



9.9098, 9.6882, 11.9140



19.6712, 9.4997, 29.8920



0.7766, 0.3745, 1.2030



# Previews

## White Background



This preview shows how the XYZ color 42.0313, 48.1642, 45.1115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

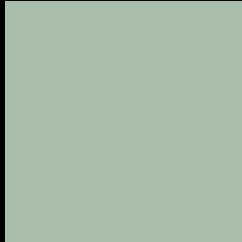
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0313, 48.1642, 45.1115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

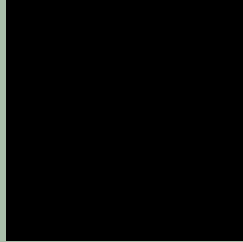
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.0313, 48.1642, 45.1115**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0313, 48.1642, 45.1115.



This preview shows how white text looks on a background with the XYZ color 42.0313, 48.1642,



# 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

42.0313, 48.1642, 45.1115

### Protanopia

45.8538, 48.2775, 43.4609

### Deuteranopia

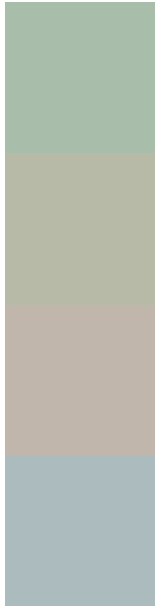
48.8204, 47.9412, 45.7102



## Tritanopia

45.4398, 48.2866, 61.5689

# Trichromacy



## Original Color

42.0313, 48.1642, 45.1115

## Protanomaly

44.3940, 48.1353, 43.9970

## Deuteranomaly

46.0710, 47.7336, 45.3134

## Tritanomaly

43.9689, 47.9854, 55.0888

# Monochromacy



## Original Color

42.0313, 48.1642, 45.1115

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

43.2078, 46.8024, 48.3514

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0313, 48.1642, 45.1115 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(169, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 170)  
}
```

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(169, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0313, 48.1642, 45.1115 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(169, 190, 170) }
```



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

```
.border{ border-color:rgb(169, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0313, 48.1642, 45.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 170) }
```

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

```
.background{ background-color: rgb(169,  
190, 170) }
```

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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