

# Converting Colors

XYZ(41.5241, 48.6142, 44.7003)

Have a look what the booklet for  
XYZ(41.5241, 48.6142, 44.7003)  
contains.

<b>XYZ(41.5281, 48.5632, 44.7210)</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(41.5281, 48.5632,  
44.7210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5C0A9
RGB	165, 192, 169
RGB Percent	65%, 75%, 66%
CMY	0.3529, 0.2470, 0.3372
CMYK	0.14, 0.00, 0.12, 0.25
HSL	129°, 18%, 70%
HSV	129°, 14%, 75%
XYZ	41.5281, 48.5632, 44.7210
YIQ	181.3050, -8.7090, -12.8770

# Conversions

## Conversions Part 2

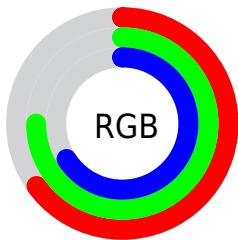
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 189, 192
Decimal	10862761
CIELab	75.18, -13.61, 8.54
CIELCh	75, 16.063, 147.890
Yxy	48.5632, 0.3080, 0.3602
Android (android.graphics.Color)	4289052841 (0xFFA5C0A9)
YUV	181.3050, -6.0664, -14.2995
Hunter-Lab	69.6873, -15.5809, 10.7325

# Details

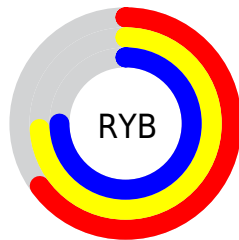
The XYZ color **41.5281, 48.5632, 44.7210** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2722, 41.7487, 53.3040**, and the grayscale version is **44.1223, 46.4201, 50.5515**.

A 20% lighter version of the original color is **76.5371, 87.7323, 83.4211**, and **19.1094, 22.9720, 20.2565** is the 20% darker color. If you saturate the color by 10%, you get **36.3898, 46.0821, 36.9606**, and if you desaturate by 10%, it is **47.4608, 51.4343, 53.5234**.

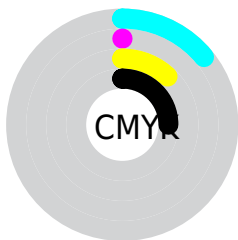
# Distribution



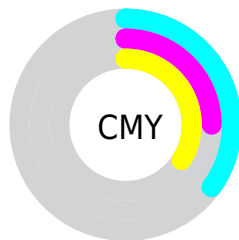
- Red (65%)
- Green (75%)
- Blue (66%)



- Red (65%)
- Yellow (74%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)



- Cyan (35%)
- Magenta (25%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5281, 48.5632, 44.7210 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 41.5281, 48.5632, 44.7210 by changing the saturation by 10% instead.





 41.5281, 48.5632,  
44.7210


 41.5281, 48.5632,  
44.7210


343.5480,  
381.0202, 381.7695

 28.9215, 34.2731,  
30.8964


 76.7546, 88.0424,  
83.6156

 19.1654, 23.1035,  
20.2622

 100.1051,  
114.0002, 109.5226

 11.8946, 14.6699,  
12.3998


127.7677,  
144.6161, 140.2942

 6.7436, 8.5881,  
6.8907

160.1076,  
180.2745, 176.3490

 3.3472, 4.4735,  
3.3164

197.4902,  
221.3597, 218.1053

 1.3399, 1.9418,  
1.2584

240.2809,

 0.2128, 0.5733,

268.2561, 265.9818

0.0273

288.8451,  
321.3481, 320.3971

■ 0.0000, 0.0000,  
0.0000

■ 41.5281, 48.5632,  
44.7210

■ 41.5281, 48.5632,  
44.7210

■ 36.3898, 46.0821,  
36.9606

■ 47.4608, 51.4343,  
53.5234

■ 32.0081, 43.9684,  
30.2004

■ 54.2155, 54.7049,  
63.4010

■ 28.3483, 42.2063,  
24.4008

■ 61.8236, 58.3917,  
74.3895

■ 25.3713, 40.7766,  
19.5180

■ 70.3133, 62.5085,  
86.5220

■ 23.0341, 39.6581,  
15.5052

■ 77.4687, 65.9124,  
99.7253

■ 21.2891, 38.8274,  
12.3111

■ 78.1406, 66.1812,  
103.2635

■ 20.0815, 38.2575,  
9.8792

■ 19.3463, 37.9160,  
8.1457

■ 19.0656, 37.7872,  
7.4156

# Harmonies

## Analogous

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



43.5607, 48.5632, 39.8061



41.5281, 48.5632, 44.7210



40.7300, 48.5632, 52.2826

# Triad

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



41.5281, 48.5632, 44.7210



45.9498, 48.5632, 70.7848



51.3429, 48.5632, 45.6517

# Complementary

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



41.5281, 48.5632, 44.7210



44.2722, 41.7487, 53.3040

# 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.



52.0477, 48.5632, 53.4760



41.5281, 48.5632, 44.7210



48.8562, 48.5632, 68.5356

# Square

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



41.5281, 48.5632, 44.7210



43.2145, 48.5632, 67.8287



51.1195, 48.5632, 61.9690



49.2320, 48.5632, 40.3019



# Rectangle

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



41.5281, 48.5632, 44.7210



40.9787, 48.5632, 58.0141



51.1195, 48.5632, 61.9690



51.7559, 48.5632, 48.0526

# Sweetspot

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



41.5294, 48.5653, 44.7221



85.9919, 93.1915, 96.9763



46.4809, 51.1606, 43.0230



18.2619, 19.9025, 20.5303



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

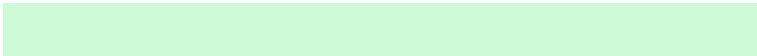


# Same Dimension

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



41.5294, 48.5653, 44.7221



72.1040, 86.4749, 76.3159



42.8220, 49.0823, 51.5287



10.0039, 11.2826, 11.0238



12.8466, 25.4327, 5.0852



0.5749, 1.1068, 0.3244



# Inverse Universe

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



44.2722, 41.7487, 53.3040



78.0719, 71.6413, 94.9881



42.9229, 41.2090, 46.1990



10.4311, 10.2210, 12.3606



19.1321, 9.3426, 24.4054



0.8445, 0.4108, 1.1484



# Previews

## White Background



This preview shows how the XYZ color 41.5281, 48.5632, 44.7210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

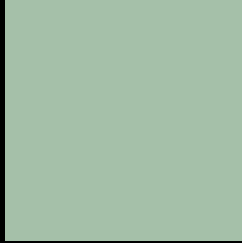
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.5281, 48.5632, 44.7210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

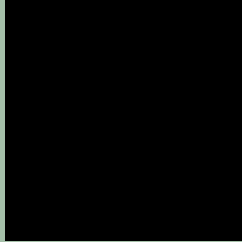
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

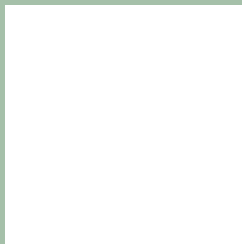
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.5281, 48.5632, 44.7210

## Background



This preview shows how black text looks on a background with the XYZ color 41.5281, 48.5632, 44.7210.



This preview shows how white text looks on a background with the XYZ color 41.5281, 48.5632,



# 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

41.5281, 48.5632, 44.7210

### Protanopia

45.9243, 48.3350, 42.5064

### Deuteranopia

49.0989, 48.0847, 45.7232



## Tritanopia

45.2256, 48.4628, 62.8477

# Trichromacy



## Original Color

41.5281, 48.5632, 44.7210

## Protanomaly

44.1817, 48.3611, 43.0824

## Deuteranomaly

46.0224, 48.0137, 45.3700

## Tritanomaly

43.8540, 48.5479, 55.7745

# Monochromacy



## Original Color

41.5281, 48.5632, 44.7210

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

42.9640, 46.9862, 48.3998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5281, 48.5632, 44.7210 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(165, 192, 169)` looks like.

```
.text, #text, p{  
    color:rgb(165, 192, 169)  
}
```

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(165, 192, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 192, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5281, 48.5632, 44.7210 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(165, 192, 169) }
```



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

```
.border{ border-color:rgb(165, 192, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 192, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 192, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 192, 169);  
box-shadow:4px 4px 4px 4px rgb(165, 192,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5281, 48.5632, 44.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 192, 169) }
```

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

```
.background{ background-color: rgb(165,  
192, 169) }
```

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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