

# Converting Colors

XYZ(46.4434, 58.4771, 44.3283)

Have a look what the booklet for  
XYZ(46.4434, 58.4771, 44.3283)  
contains.

<b>XYZ(46.5221, 58.5206, 44.4409)</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(46.5221, 58.5206,  
44.4409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7D5A5
RGB	167, 213, 165
RGB Percent	65%, 84%, 65%
CMY	0.3451, 0.1647, 0.3529
CMYK	0.22, 0.00, 0.23, 0.16
HSL	118°, 36%, 74%
HSV	118°, 23%, 84%
XYZ	46.5221, 58.5206, 44.4409
YIQ	193.7740, -12.0080, -24.6800

# Conversions

## Conversions Part 2

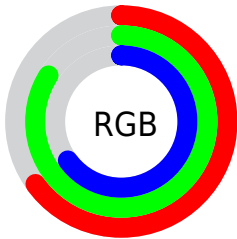
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 213, 211
Decimal	10999205
CIELab	81.03, -24.18, 18.93
CIElCh	81, 30.709, 141.937
Yxy	58.5206, 0.3112, 0.3915
Android (android.graphics.Color)	4289189285 (0xFFA7D5A5)
YUV	193.7740, -14.1856, -23.4808
Hunter-Lab	76.4988, -25.3195, 19.1054

# Details

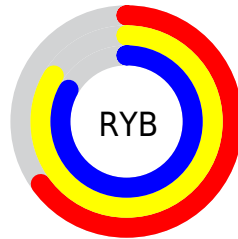
The XYZ color **46.5221, 58.5206, 44.4409** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.3318, 45.5649, 68.9906**, and the grayscale version is **51.2321, 53.9002, 58.6973**.

A 20% lighter version of the original color is **79.1097, 92.3753, 81.3708**, and **22.1469, 29.2234, 20.0962** is the 20% darker color. If you saturate the color by 10%, you get **40.7654, 55.7603, 34.8803**, and if you desaturate by 10%, it is **53.2855, 61.7660, 55.7366**.

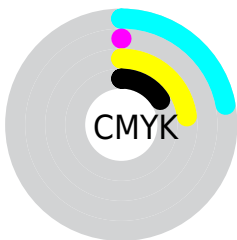
# Distribution



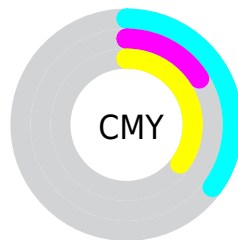
- Red (65%)
- Green (84%)
- Blue (65%)



- Red (65%)
- Yellow (84%)
- Blue (83%)



- Cyan (22%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)




- Cyan (35%)
- Magenta (16%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5221, 58.5206, 44.4409 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 46.5221, 58.5206, 44.4409 by changing the saturation by 10% instead.





 46.5221, 58.5206,  
44.4409


 46.5221, 58.5206,  
44.4409


363.5846,  
419.1230, 380.5983

 32.8644, 42.2273,  
30.6775


 84.2229, 102.6806,  
83.1903

 22.1813, 29.2793,  
20.0970


 108.9967,  
131.3161, 109.0135

 14.1075, 19.2922,  
12.2808


138.2066,  
164.8344, 139.6936

 8.2777, 11.8816,  
6.8104

172.2179,  
203.6201, 175.6493

 4.3264, 6.6631,  
3.2671

211.3960,  
248.0573, 217.2991

 1.8884, 3.2523,  
1.2326

256.1062,

 0.5701, 1.2648,

298.5307, 265.0615

0.0056

306.7140,  
355.4244, 319.3550

■ 0.0000, 0.1137,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.5221, 58.5206,  
44.4409

■ 46.5221, 58.5206,  
44.4409

■ 40.7654, 55.7603,  
34.8803

■ 53.2855, 61.7660,  
55.7366

■ 35.9631, 53.4548,  
26.9652

■ 61.0957, 65.5103,  
68.8432

■ 32.0648, 51.5819,  
20.6040

■ 69.9962, 69.7760,  
83.8368

■ 29.0139, 50.1147,  
15.6946

■ 80.0265, 74.5820,  
100.7879

■ 26.7475, 49.0230,  
12.1226

■ 83.0854, 76.0708,  
104.9118

■ 25.1937, 48.2727,  
9.7564

■ 24.2674, 47.8234,  
8.4381

■ 23.9065, 47.6481,  
7.9370

# Harmonies

## Analogous

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



51.1690, 58.5206, 36.3971



46.5221, 58.5206, 44.4409



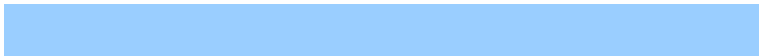
44.3512, 58.5206, 58.9229

# Triad

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



46.5221, 58.5206, 44.4409



53.9212, 58.5206, 105.1601



67.7792, 58.5206, 51.4879

# Complementary

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



46.5221, 58.5206, 44.4409



52.3318, 45.5649, 68.9906

# 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.



68.6569, 58.5206, 68.7685



46.5221, 58.5206, 44.4409



60.3263, 58.5206, 102.1259

# Square

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



46.5221, 58.5206, 44.4409



48.4049, 58.5206, 95.5326



65.8375, 58.5206, 87.8940



63.5232, 58.5206, 39.8916



# Rectangle

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



46.5221, 58.5206, 44.4409



44.4750, 58.5206, 71.2563



65.8375, 58.5206, 87.8940



68.4915, 58.5206, 56.7329

# Sweetspot

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



46.5236, 58.5231, 44.4422



86.2921, 95.8019, 94.1792



57.4297, 63.2557, 44.7809



18.3166, 20.4320, 19.9006



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

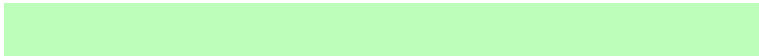


# Same Dimension

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



46.5236, 58.5231, 44.4422



65.6295, 85.8926, 59.6579



48.2400, 59.1612, 55.6680



12.3098, 13.9204, 13.1988



14.6237, 29.1151, 4.8490



0.8993, 1.7650, 0.2933



# Inverse Universe

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



52.3318, 45.5649, 68.9906



75.8335, 63.1213, 102.7945



50.3458, 44.8371, 55.5242



12.8995, 12.6051, 15.6907



22.5915, 10.7989, 39.3468

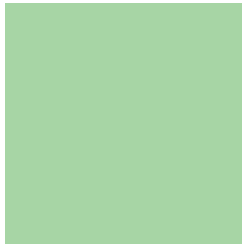


1.3788, 0.6597, 2.3740



# Previews

## White Background



This preview shows how the XYZ color 46.5221, 58.5206, 44.4409 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 46.5221, 58.5206, 44.4409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

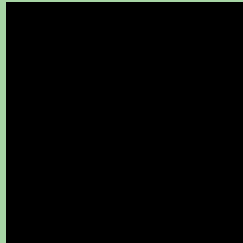
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.5221, 58.5206, 44.4409**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5221, 58.5206, 44.4409.



This preview shows how white text looks on a background with the XYZ color 46.5221, 58.5206,

44.4409.

# 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

46.5221, 58.5206, 44.4409

### Protanopia

54.3529, 57.9579, 41.1232

### Deuteranopia

59.1864, 57.9934, 45.6105



## Tritanopia

53.1476, 58.2837, 77.5559

# Trichromacy



## Original Color

46.5221, 58.5206, 44.4409

## Protanomaly

51.0293, 57.9716, 42.2183

## Deuteranomaly

53.7346, 57.5456, 45.3211

## Tritanomaly

50.3321, 58.2130, 63.8418

# Monochromacy



## Original Color

46.5221, 58.5206, 44.4409

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

49.2011, 55.3825, 52.8965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5221, 58.5206, 44.4409 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(167, 213, 165)` looks like.

```
.text, #text, p{  
    color:rgb(167, 213, 165)  
}
```

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(167, 213, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 213, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5221, 58.5206, 44.4409 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(167, 213, 165) }
```



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

```
.border{ border-color:rgb(167, 213, 165) }
```

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

Here you see how a box with a 4 pixel rgb(167, 213, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 213, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 213, 165);  
box-shadow:4px 4px 4px 4px rgb(167, 213,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5221, 58.5206, 44.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 213, 165) }
```

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

```
.background{ background-color: rgb(167,  
213, 165) }
```

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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