

# Converting Colors

XYZ(46.4229, 60.4475, 49.4823)

Have a look what the booklet for  
XYZ(46.4229, 60.4475, 49.4823)  
contains.

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# Color

**XYZ(46.2290, 60.1674,  
49.2213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BDAAE
RGB	155, 218, 174
RGB Percent	61%, 85%, 68%
CMY	0.3921, 0.1451, 0.3176
CMYK	0.29, 0.00, 0.20, 0.15
HSL	138°, 46%, 73%
HSV	138°, 29%, 85%
XYZ	46.2290, 60.1674, 49.2213
YIQ	194.1470, -23.4240, -27.0400

# Conversions

## Conversions Part 2

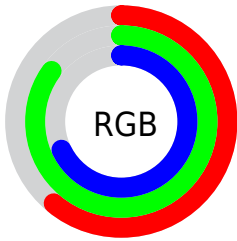
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 203, 218
Decimal	10214062
CIELab	81.93, -28.89, 15.35
CIElCh	82, 32.718, 152.024
Yxy	60.1674, 0.2971, 0.3866
Android (android.graphics.Color)	4288404142 (0xFF9BDAAE)
YUV	194.1470, -9.9325, -34.3319
Hunter-Lab	77.5676, -29.3604, 16.6743

# Details

The XYZ color **46.2290, 60.1674, 49.2213** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.9457, 42.4731, 59.5485**, and the grayscale version is **51.4335, 54.1120, 58.9280**.

A 20% lighter version of the original color is **76.9069, 91.0821, 88.3901**, and **22.0895, 30.4243, 23.1206** is the 20% darker color. If you saturate the color by 10%, you get **41.0158, 57.6435, 41.6635**, and if you desaturate by 10%, it is **52.3691, 63.1530, 57.7034**.

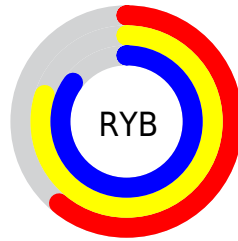
# Distribution



Red (61%)

Green (85%)

Blue (68%)



Red (61%)

Yellow (80%)

Blue (85%)

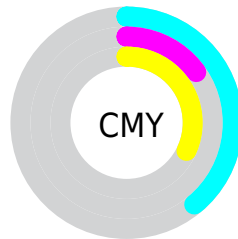


Cyan (29%)

Magenta (0%)

Yellow (20%)

Black (15%)



Cyan (39%)

Magenta (15%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2290, 60.1674, 49.2213 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 46.2290, 60.1674, 49.2213 by changing the saturation by 10% instead.





 46.2290, 60.1674,  
49.2213


 46.2290, 60.1674,  
49.2213

362.4291,  
425.2145, 400.2604

 32.6320, 43.5536,  
34.4282


 83.7874, 105.0725,  
90.4044

 22.0025, 30.3197,  
22.9427


 108.4794,  
134.1325, 117.6316

 13.9754, 20.0814,  
14.3463


137.6005,  
168.1101, 149.8405

 8.1851, 12.4542,  
8.2204

171.5160,  
207.3895, 187.4497

 4.2664, 7.0538,  
4.1465

210.5912,  
252.3553, 230.8777

 1.8539, 3.4958,  
1.7061

255.1916,

 0.5499, 1.3957,

303.3918, 280.5432

0.3649

305.6824,  
360.8834, 336.8645

■ 0.0000, 0.2136,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.2290, 60.1674,  
49.2213

■ 46.2290, 60.1674,  
49.2213

■ 41.0158, 57.6435,  
41.6635

■ 52.3691, 63.1530,  
57.7034

■ 36.6784, 55.5506,  
34.9947


■ 59.4740, 66.6144,  
67.1357

■ 33.1679, 53.8658,  
29.1830

■ 67.5858, 70.5741,  
77.5480


■ 30.4287, 52.5613,  
24.1933


■ 76.7422, 75.0511,  
88.9674


 28.3978, 51.6054,  
19.9877

 83.5885, 78.3155,  
101.2616

 27.0017, 50.9608,  
16.5254

 84.3626, 78.6251,  
105.3375

 26.1283, 50.5709,  
13.7605

 26.0484, 50.5355,  
13.4963

# Harmonies

## Analogous

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



50.4217, 60.1674, 38.2375



46.2290, 60.1674, 49.2213



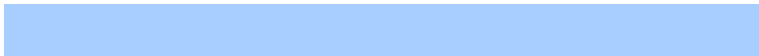
44.9006, 60.1674, 66.8660

# Triad

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



46.2290, 60.1674, 49.2213



57.6581, 60.1674, 111.4187



69.2188, 60.1674, 47.3214

# Complementary

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



46.2290, 60.1674, 49.2213



50.9457, 42.4731, 59.5485

# 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.



71.5329, 60.1674, 64.1765



46.2290, 60.1674, 49.2213



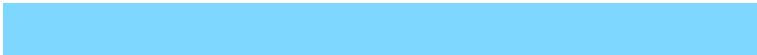
64.5325, 60.1674, 103.3961

# Square

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



46.2290, 60.1674, 49.2213



51.1732, 60.1674, 105.2297



69.7534, 60.1674, 85.0509



63.6550, 60.1674, 37.3060



# Rectangle

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



46.2290, 60.1674, 49.2213



45.7244, 60.1674, 80.8559



69.7534, 60.1674, 85.0509



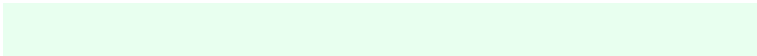
70.4218, 60.1674, 52.2436

# Sweetspot

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



46.2306, 60.1699, 49.2226



84.6307, 94.9145, 95.4988



54.5698, 64.6680, 40.6172



17.7779, 20.1515, 20.0003



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

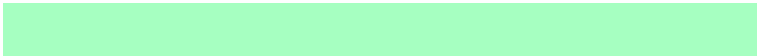


# Same Dimension

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



46.2306, 60.1699, 49.2226



61.0219, 83.4353, 63.1451



49.6587, 61.5412, 67.2749



13.0473, 14.6706, 14.7123



15.6468, 30.2914, 8.3057



1.0513, 1.9775, 0.7362



# Inverse Universe

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



50.9457, 42.4731, 59.5485



68.8461, 54.0478, 80.2640



47.6673, 41.1617, 42.2845



13.4384, 13.2045, 15.5699



20.7799, 10.3130, 19.0190

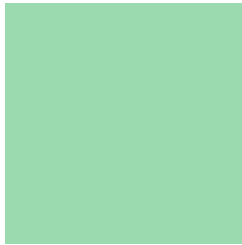


1.3837, 0.6831, 1.4295



# Previews

## White Background



This preview shows how the XYZ color 46.2290, 60.1674, 49.2213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

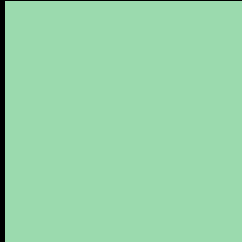
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.2290, 60.1674, 49.2213 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 46.2290, 60.1674, 49.2213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2290, 60.1674, 49.2213.



This preview shows how white text looks on a background with the XYZ color 46.2290, 60.1674,



# 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

46.2290, 60.1674, 49.2213

### Protanopia

56.2632, 59.9121, 44.6752

### Deuteranopia

60.6068, 59.2738, 50.8945



## Tritanopia

52.8149, 60.1893, 82.2328

# Trichromacy



## Original Color

46.2290, 60.1674, 49.2213



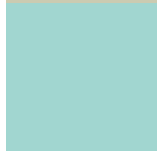
## Protanomaly

51.7096, 59.3138, 46.2594



## Deuteranomaly

53.9203, 58.5827, 50.0607



## Tritanomaly

50.1297, 60.2243, 68.6568

# Monochromacy



## Original Color

46.2290, 60.1674, 49.2213



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

49.1480, 56.0030, 55.2330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2290, 60.1674, 49.2213 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(155, 218, 174)` looks like.

```
.text, #text, p{  
    color:rgb(155, 218, 174)  
}
```

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(155, 218, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 218, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2290, 60.1674, 49.2213 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(155, 218, 174) }
```



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

```
.border{ border-color:rgb(155, 218, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 218, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 218, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 218, 174);  
box-shadow:4px 4px 4px 4px rgb(155, 218,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2290, 60.1674, 49.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 218, 174) }
```

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

```
.background{ background-color: rgb(155,  
218, 174) }
```

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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