

# Converting Colors

XYZ(48.2816, 61.7937, 54.6172)

Have a look what the booklet for  
XYZ(48.2816, 61.7937, 54.6172)  
contains.

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# Color

**XYZ(48.3455, 61.9162,  
54.7503)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EDCB8
RGB	158, 220, 184
RGB Percent	62%, 86%, 72%
CMY	0.3804, 0.1372, 0.2784
CMYK	0.28, 0.00, 0.16, 0.14
HSL	145°, 47%, 74%
HSV	145°, 28%, 86%
XYZ	48.3455, 61.9162, 54.7503
YIQ	197.3580, -25.3960, -24.3400

# Conversions

## Conversions Part 2

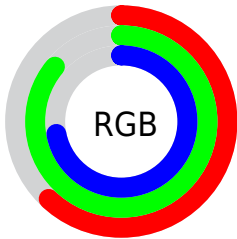
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 202, 220
Decimal	10411192
CIELab	82.87, -27.03, 11.42
CIElCh	83, 29.348, 157.092
Yxy	61.9162, 0.2930, 0.3752
Android (android.graphics.Color)	4288601272 (0xFF9EDCB8)
YUV	197.3580, -6.5855, -34.5170
Hunter-Lab	78.6868, -28.0309, 13.8268

# Details

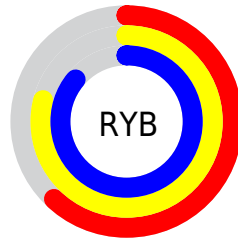
The XYZ color **48.3455, 61.9162, 54.7503** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.4818, 43.5659, 56.7373**, and the grayscale version is **53.3382, 56.1160, 61.1103**.

A 20% lighter version of the original color is **79.2197, 92.1074, 96.0413**, and **23.3776, 31.5522, 26.3308** is the 20% darker color. If you saturate the color by 10%, you get **43.1203, 59.3720, 47.8288**, and if you desaturate by 10%, it is **54.4697, 64.9133, 62.3479**.

# Distribution



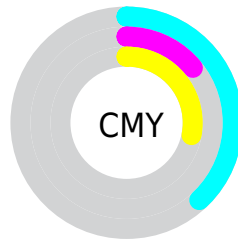
- Red (62%)
- Green (86%)
- Blue (72%)



- Red (62%)
- Yellow (79%)
- Blue (86%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)




- Cyan (38%)
- Magenta (14%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3455, 61.9162, 54.7503 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 48.3455, 61.9162, 54.7503 by changing the saturation by 10% instead.





 48.3455, 61.9162,  
54.7503


 48.3455, 61.9162,  
54.7503


370.7198,  
431.6253, 422.2199

 34.3130, 44.9650,  
38.8046


 86.9252, 107.6044,  
98.6425

 23.2982, 31.4299,  
26.3011


 112.2030,  
137.1102, 127.4260

 14.9357, 20.9264,  
16.8212


141.9600,  
171.5696, 161.3260

 8.8603, 13.0702,  
9.9465

176.5616,  
211.3671, 200.7608

 4.7066, 7.4769,  
5.2584

216.3729,  
256.8870, 246.1491

 2.1091, 3.7621,  
2.3383

261.7595,

 0.6942, 1.5414,

308.5138, 297.9093

0.7525

313.0867,  
366.6318, 356.4601

■ 0.0000, 0.3176,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.3455, 61.9162,  
54.7503

■ 48.3455, 61.9162,  
54.7503

■ 43.1203, 59.3720,  
47.8288

■ 54.4697, 64.9133,  
62.3479

■ 38.7445, 57.2504,  
41.5605


■ 61.5293, 68.3765,  
70.6352


■ 35.1713, 55.5293,  
35.9271


■ 69.5644, 72.3280,  
79.6311

■ 32.3470, 54.1816,  
30.9081


■ 78.6117, 76.7862,  
89.3519

 30.2112, 53.1762,  
26.4816

 83.7584, 79.2183,  
99.5824

 28.6928, 52.4773,  
22.6242

 84.8844, 79.6687,  
105.5115

 27.6908, 52.0331,  
19.3100

 27.5373, 51.9659,  
18.7629

# Harmonies

## Analogous

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



51.8172, 61.9162, 43.2808



48.3455, 61.9162, 54.7503



47.5900, 61.9162, 71.8073

# Triad

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



48.3455, 61.9162, 54.7503



60.3634, 61.9162, 108.2101



69.0903, 61.9162, 48.5211

# Complementary

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



48.3455, 61.9162, 54.7503



51.4818, 43.5659, 56.7373

# 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.



71.7581, 61.9162, 63.2079



48.3455, 61.9162, 54.7503



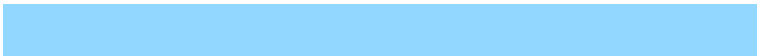
66.4909, 61.9162, 99.1805

# Square

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



48.3455, 61.9162, 54.7503



54.2426, 61.9162, 104.8460



70.7744, 61.9162, 81.8988



63.7101, 61.9162, 40.1597



# Rectangle

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



48.3455, 61.9162, 54.7503



48.6753, 61.9162, 84.5501



70.7744, 61.9162, 81.8988



70.3510, 61.9162, 52.7691

# Sweetspot

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



48.3472, 61.9188, 54.7517



86.0900, 95.5946, 98.8305



54.0579, 65.1492, 42.0745



18.0875, 20.2945, 20.7640



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

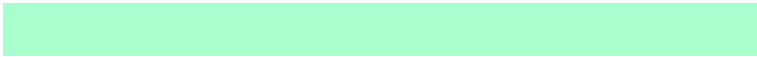


# Same Dimension

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



48.3472, 61.9188, 54.7517



62.9504, 84.2690, 70.4880



51.9402, 63.3560, 73.6720



13.1119, 14.6964, 15.0522



16.2135, 30.5180, 11.2895



1.0928, 1.9941, 0.9545



# Inverse Universe

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



51.4818, 43.5659, 56.7373



68.0374, 54.4719, 73.7003



48.3697, 42.3211, 40.3491



13.3715, 13.1777, 15.2174



19.6558, 9.8634, 13.0996



1.3160, 0.6561, 1.0732



# Previews

## White Background



This preview shows how the XYZ color 48.3455, 61.9162, 54.7503 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

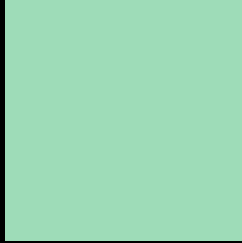
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.3455, 61.9162, 54.7503 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 48.3455, 61.9162, 54.7503**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3455, 61.9162, 54.7503.



This preview shows how white text looks on a background with the XYZ color 48.3455, 61.9162,



# 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

48.3455, 61.9162, 54.7503

### Protanopia

57.9867, 61.3962, 49.8687

### Deuteranopia

62.6581, 61.2181, 56.6579



## Tritanopia

54.1544, 61.5735, 84.6319

# Trichromacy



## Original Color

48.3455, 61.9162, 54.7503



## Protanomaly

53.6890, 60.9500, 51.5826



## Deuteranomaly

56.2178, 60.7096, 55.7688



## Tritanomaly

52.0033, 61.8593, 72.8175

# Monochromacy



## Original Color

48.3455, 61.9162, 54.7503



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.8742, 57.5357, 58.2933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3455, 61.9162, 54.7503 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(158, 220, 184)` looks like.

```
.text, #text, p{  
    color:rgb(158, 220, 184)  
}
```

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(158, 220, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 220, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3455, 61.9162, 54.7503 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(158, 220, 184) }
```



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

```
.border{ border-color:rgb(158, 220, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 220, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 220, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 220, 184);  
box-shadow:4px 4px 4px 4px rgb(158, 220,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3455, 61.9162, 54.7503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 220, 184) }
```

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

```
.background{ background-color: rgb(158,  
220, 184) }
```

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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