

# Converting Colors

XYZ(47.9448, 62.2302, 61.3304)

Have a look what the booklet for  
XYZ(47.9448, 62.2302, 61.3304)  
contains.

<b>XYZ(48.0042, 62.3857, 61.1413)</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(48.0042, 62.3857,  
61.1413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93DEC3
RGB	147, 222, 195
RGB Percent	58%, 87%, 76%
CMY	0.4235, 0.1294, 0.2353
CMYK	0.34, 0.00, 0.12, 0.13
HSL	158°, 53%, 72%
HSV	158°, 34%, 87%
XYZ	48.0042, 62.3857, 61.1413
YIQ	196.4970, -36.0330, -24.2970

# Conversions

## Conversions Part 2

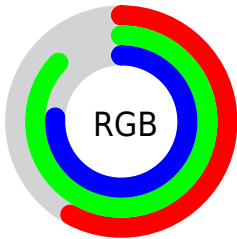
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 193, 222
Decimal	9690819
CIELab	83.12, -29.05, 5.89
CIELCh	83, 29.641, 168.535
Yxy	62.3857, 0.2799, 0.3637
Android (android.graphics.Color)	4287880899 (0xFF93DEC3)
YUV	196.4970, -0.7380, -43.4089
Hunter-Lab	78.9846, -29.7368, 9.3934

# Details

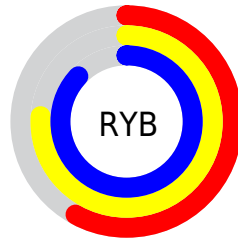
The XYZ color **48.0042, 62.3857, 61.1413** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.2000, 39.4546, 45.1219**, and the grayscale version is **52.7890, 55.5382, 60.4811**.

A 20% lighter version of the original color is **77.9593, 91.2448, 105.5986**, and **23.1406, 31.8877, 30.1346** is the 20% darker color. If you saturate the color by 10%, you get **43.5215, 60.1781, 56.3405**, and if you desaturate by 10%, it is **53.3069, 65.0138, 66.2357**.

# Distribution



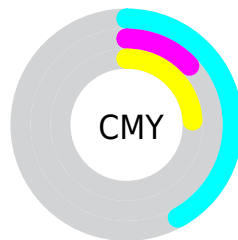
- Red (58%)
- Green (87%)
- Blue (76%)



- Red (58%)
- Yellow (76%)
- Blue (87%)



- Cyan (34%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)




- Cyan (42%)
- Magenta (13%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0042, 62.3857, 61.1413 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 48.0042, 62.3857, 61.1413 by changing the saturation by 10% instead.





 48.0042, 62.3857,  
61.1413


 48.0042, 62.3857,  
61.1413


369.3911,  
433.3366, 446.7128

 34.0415, 45.3444,  
43.9079


 86.4203, 108.2828,  
108.0430

 23.0885, 31.7288,  
30.2615


 111.6044,  
137.9074, 138.5484

 14.7799, 21.1544,  
19.7834


141.2597,  
172.4952, 174.3150

 8.7504, 13.2369,  
12.0552

175.7515,  
212.4307, 215.7611

 4.6345, 7.5919,  
6.6583

215.4452,  
258.0981, 263.3054

 2.0670, 3.8349,  
3.1741

260.7061,

 0.6712, 1.5817,

309.8820, 317.3664

1.1842

311.8996,  
368.1667, 378.3627

■ 0.0000, 0.3452,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.0042, 62.3857,  
61.1413

■ 48.0042, 62.3857,  
61.1413

■ 43.5215, 60.1781,  
56.3405

■ 53.3069, 65.0138,  
66.2357

■ 39.8086, 58.3602,  
51.8230

■ 59.4660, 68.0760,  
71.6253

■ 36.8176, 56.9089,  
47.5839

■ 66.5219, 71.5947,  
77.3170

■ 34.4926, 55.7958,  
43.6166

■ 74.5107, 75.5886,  
83.3160

■ 32.7696, 54.9877,  
39.9137

■ 82.3527, 79.5009,  
89.5756

■ 31.5704, 54.4446,  
36.4674

■ 83.5337, 79.9733,  
95.7943

■ 31.0107, 54.2001,  
34.4489

■ 84.7672, 80.4667,  
102.2898

■ 85.4124, 80.7248,  
105.6875

# Harmonies

## Analogous

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



50.5199, 62.3857, 47.1082



48.0042, 62.3857, 61.1413



48.3472, 62.3857, 79.7940

# Triad

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



48.0042, 62.3857, 61.1413



63.3061, 62.3857, 107.2525



67.8490, 62.3857, 44.7344

# Complementary

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



48.0042, 62.3857, 61.1413



48.2000, 39.4546, 45.1219

# 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.



71.7837, 62.3857, 57.2998



48.0042, 62.3857, 61.1413



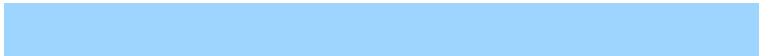
69.0332, 62.3857, 94.1226

# Square

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



48.0042, 62.3857, 61.1413



56.8763, 62.3857, 108.7894



72.2321, 62.3857, 75.1980



61.7828, 62.3857, 38.8420



# Rectangle

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



48.0042, 62.3857, 61.1413



50.1563, 62.3857, 92.4124



72.2321, 62.3857, 75.1980



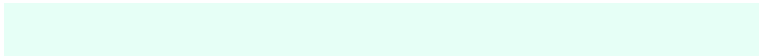
69.4830, 62.3857, 48.2012

# Sweetspot

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



48.0059, 62.3882, 61.1427



84.8397, 94.9031, 100.8901



48.9569, 63.4080, 37.2634



17.8740, 20.1710, 21.3610



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

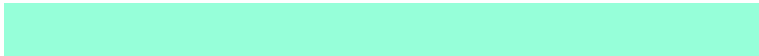


# Same Dimension

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



48.0059, 62.3882, 61.1427



60.9919, 83.0753, 78.7116



48.7629, 58.5663, 77.8445



13.8962, 15.4842, 16.4885



18.4739, 32.2144, 20.7504



1.3229, 2.2499, 1.6613



# Inverse Universe

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



48.2000, 39.4546, 45.1219



61.3052, 46.8513, 53.4402



47.4495, 41.7517, 33.1627



13.9101, 13.7817, 15.2968



18.8001, 9.5870, 5.6131

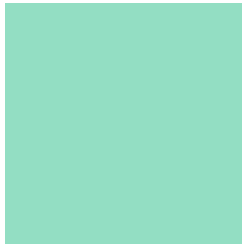


1.3449, 0.6812, 0.6093



# Previews

## White Background



This preview shows how the XYZ color 48.0042, 62.3857, 61.1413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

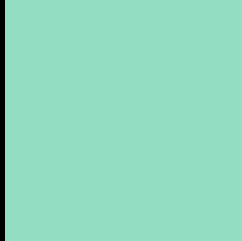
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0042, 62.3857, 61.1413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

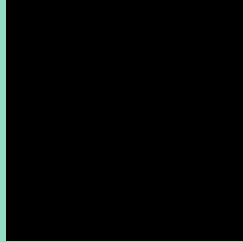
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.0042, 62.3857, 61.1413**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.0042, 62.3857, 61.1413.



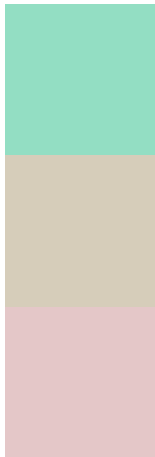
This preview shows how white text looks on a background with the XYZ color 48.0042, 62.3857,



# 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

48.0042, 62.3857, 61.1413

### Protanopia

58.4258, 61.5040, 55.2465

### Deuteranopia

62.8437, 61.5110, 63.2042



## **Tritanopia**

53.1175, 62.1202, 87.0327

# Trichromacy



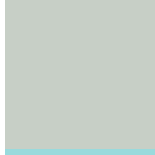
## Original Color

48.0042, 62.3857, 61.1413



## Protanomaly

53.7148, 61.2098, 57.1277



## Deuteranomaly

56.0591, 60.8450, 62.2157



## Tritanomaly

51.1265, 62.0824, 76.9986

# Monochromacy



## Original Color

48.0042, 62.3857, 61.1413



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.6255, 57.7118, 60.6958

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0042, 62.3857, 61.1413 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(147, 222, 195)` looks like.

```
.text, #text, p{  
    color:rgb(147, 222, 195)  
}
```

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(147, 222, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 222, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0042, 62.3857, 61.1413 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(147, 222, 195) }
```



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

```
.border{ border-color:rgb(147, 222, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 222, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 222, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 222, 195); box-shadow:4px 4px 4px 4px rgb(147, 222, 195) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0042, 62.3857, 61.1413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 222, 195) }
```

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

```
.background{ background-color: rgb(147,  
222, 195) }
```

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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