

Converting Colors

XYZ(41.7674, 48.8044, 62.4772)

Have a look what the booklet for
XYZ(41.7674, 48.8044, 62.4772)
contains.

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Color

**XYZ(41.8670, 49.0037,
62.5104)**

Conversions

Conversions Part 1

Format	Color
Hex	93C2C9
RGB	147, 194, 201
RGB Percent	58%, 76%, 79%
CMY	0.4235, 0.2392, 0.2118
CMYK	0.27, 0.03, 0.00, 0.21
HSL	188°, 33%, 68%
HSV	188°, 27%, 79%
XYZ	41.8670, 49.0037, 62.5104
YIQ	180.7450, -30.2590, -7.7870

Conversions

Conversions Part 2

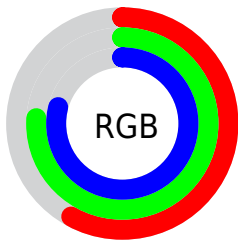
Format	Color
RYB	147, 172, 201
Decimal	9683657
CIELab	75.45, -13.76, -8.55
CIELCh	75, 16.199, 211.840
Yxy	49.0037, 0.2730, 0.3195
Android (android.graphics.Color)	4287873737 (0xFF93C2C9)
YUV	180.7450, 9.9857, -29.5944
Hunter-Lab	70.0026, -15.7478, -3.9425

Details

The XYZ color **41.8670, 49.0037, 62.5104** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.9099, 37.6354, 32.7129**, and the grayscale version is **43.7440, 46.0220, 50.1180**.

A 20% lighter version of the original color is **76.9043, 88.7709, 107.6890**, and **19.3639, 23.2956, 31.0797** is the 20% darker color. If you saturate the color by 10%, you get **37.9986, 46.1576, 62.1658**, and if you desaturate by 10%, it is **46.3782, 52.1987, 62.8901**.

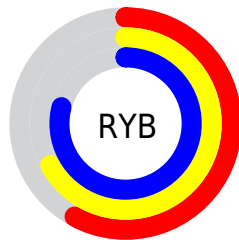
Distribution



Red (58%)

Green (76%)

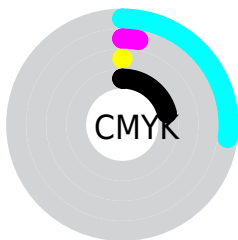
Blue (79%)



Red (58%)

Yellow (67%)

Blue (79%)

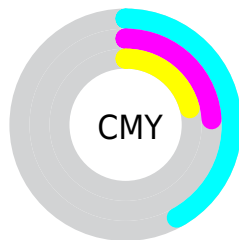


Cyan (27%)

Magenta (3%)

Yellow (0%)

Black (21%)



Cyan (42%)

Magenta (24%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8670, 49.0037, 62.5104 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 41.8670, 49.0037, 62.5104 by changing the saturation by 10% instead.

■ 41.8670, 49.0037,
62.5104

■ 41.8670, 49.0037,
62.5104

344.9323,
382.7569, 451.8494

■ 29.1878, 34.6224,
45.0068

■ 77.2647, 88.6969,
110.0416

■ 19.3679, 23.3722,
31.1198

■ 100.7140,
114.7777, 140.9063

■ 12.0420, 14.8686,
20.4308

128.4840,
145.5271, 177.0617

■ 6.8447, 8.7272,
12.5214

160.9400,
181.3294, 218.9265

■ 3.4106, 4.5637,
6.9730

198.4475,
222.5692, 266.9191

■ 1.3745, 1.9936,
3.3670

241.3719,

■ 0.2379, 0.6038,

269.6308, 321.4581

1.2850

290.0783,
322.8985, 382.9620

■ 0.0000, 0.0000,
0.0494

■ 0.0000, 0.0000,
0.0000

■ 41.8670, 49.0037,
62.5104

■ 41.8670, 49.0037,
62.5104

■ 37.9986, 46.1576,
62.1658

■ 46.3782, 52.1987,
62.8901

■ 34.7358, 43.6375,
61.8513

■ 51.5584, 55.7525,
63.3031

■ 32.0444, 41.4269,
61.5665

■ 57.4374, 59.6818,
63.7516

■ 29.8848, 39.5053,
61.3094

■ 64.0420, 64.0005,
64.2371

■ 28.2121, 37.8495,
61.0779

■ 71.3976, 68.7217,
64.7607

■ 26.9744, 36.4326,
60.8697

■ 74.7386, 71.3887,
65.0994

■ 26.1022, 35.2188,
60.6814

■ 75.3854, 72.6824,
65.3151

■ 25.8639, 34.8594,
60.6246

■ 76.0428, 73.9972,
65.5342

■ 76.7107, 75.3330,
65.7568

Harmonies

Analogous

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



41.0701, 49.0037, 53.8864



41.8670, 49.0037, 62.5104



43.9190, 49.0037, 69.2071

Triad

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



41.8670, 49.0037, 62.5104



51.8243, 49.0037, 61.4997



46.3925, 49.0037, 38.5508

Complementary

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



41.8670, 49.0037, 62.5104



40.9099, 37.6354, 32.7129

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.



49.3392, 49.0037, 40.1324



41.8670, 49.0037, 62.5104



52.5544, 49.0037, 52.8305

Square

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



41.8670, 49.0037, 62.5104



49.6718, 49.0037, 68.5811



51.6267, 49.0037, 45.1433



43.6127, 49.0037, 40.5706

Rectangle

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



41.8670, 49.0037, 62.5104



45.7663, 49.0037, 71.3458



51.6267, 49.0037, 45.1433



47.3963, 49.0037, 38.6782

Sweetspot

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



41.8685, 49.0057, 62.5115



87.1015, 94.6591, 108.2880



38.6947, 50.2871, 37.9349



18.3422, 20.0561, 23.1544



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.



41.8685, 49.0057, 62.5115



67.8512, 81.1079, 106.6870



36.5234, 38.3157, 60.7299



10.8250, 11.8240, 13.6292



16.3095, 22.0129, 38.1337



0.8058, 1.1094, 1.8168

Inverse Universe

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



44.2599, 37.1810, 55.8852



72.6543, 57.8583, 93.2659



45.7366, 47.2888, 34.3217



11.0217, 10.7921, 13.0974



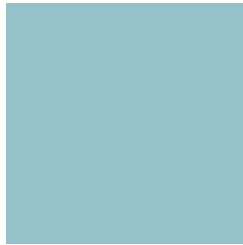
20.0316, 9.7622, 26.4401



0.9654, 0.4690, 1.3411

Previews

White Background



This preview shows how the XYZ color 41.8670, 49.0037, 62.5104 looks on a white background.

Color Contrast Check

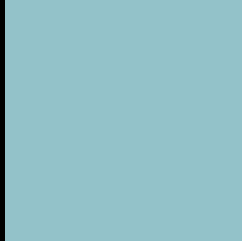
Large Text (above 18pt) WCAG AA × Fail

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 41.8670, 49.0037, 62.5104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

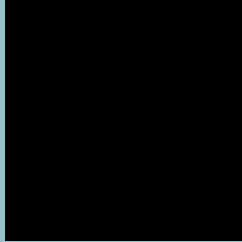
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8670, 49.0037, 62.5104

Background



This preview shows how black text looks on a background with the XYZ color 41.8670, 49.0037, 62.5104.

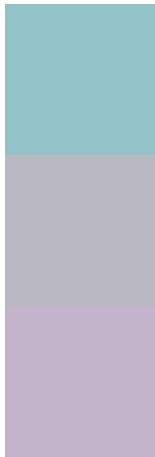


This preview shows how white text looks on a background with the XYZ color 41.8670, 49.0037,

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

41.8670, 49.0037, 62.5104

Protanopia

47.2405, 48.6602, 58.5323

Deuteranopia

49.7260, 48.6043, 63.8875



Tritanopia

42.8496, 49.0836, 66.8902

Trichromacy



Original Color

41.8670, 49.0037, 62.5104

Protanomaly

45.0745, 48.7683, 59.8609

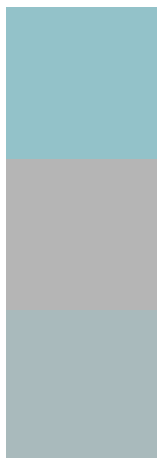
Deuteranomaly

46.4886, 48.4747, 63.4063

Tritanomaly

42.3022, 48.8436, 64.9558

Monochromacy



Original Color

41.8670, 49.0037, 62.5104

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.9982, 47.1837, 54.4181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8670, 49.0037, 62.5104 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, 194, 201)` looks like.

```
.text, #text, p{  
    color:rgb(147, 194, 201)  
}
```

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, 194, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 194, 201) }
```

Border

The CSS property to change the border of an element to XYZ 41.8670, 49.0037, 62.5104 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, 194, 201) }
```


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

```
.border{ border-color:rgb(147, 194, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 194, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 194, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 194, 201);  
box-shadow:4px 4px 4px 4px rgb(147, 194,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8670, 49.0037, 62.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 194, 201) }
```

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

```
.background{ background-color: rgb(147,  
194, 201) }
```

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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