

Converting Colors

XYZ(47.9485, 62.0343, 61.4212)

Have a look what the booklet for
XYZ(47.9485, 62.0343, 61.4212)
contains.

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Color

**XYZ(48.0330, 61.9943,
61.6590)**

Conversions

Conversions Part 1

Format	Color
Hex	94DDC4
RGB	148, 221, 196
RGB Percent	58%, 87%, 77%
CMY	0.4196, 0.1333, 0.2314
CMYK	0.33, 0.00, 0.11, 0.13
HSL	159°, 52%, 72%
HSV	159°, 33%, 87%
XYZ	48.0330, 61.9943, 61.6590
YIQ	196.3230, -35.4830, -23.2510

Conversions

Conversions Part 2

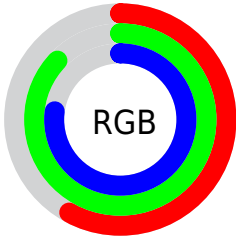
Format	Color
RYB	148, 192, 221
Decimal	9756100
CIELab	82.91, -28.07, 5.07
CIELCh	83, 28.528, 169.765
Yxy	61.9943, 0.2798, 0.3611
Android (android.graphics.Color)	4287946180 (0xFF94DDC4)
YUV	196.3230, -0.1592, -42.3793
Hunter-Lab	78.7365, -28.8953, 8.6852

Details

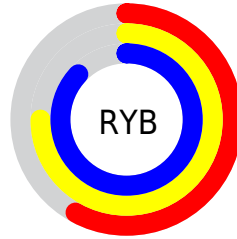
The XYZ color **48.0330, 61.9943, 61.6590** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.9537, 39.5707, 44.6482**, and the grayscale version is **52.6808, 55.4243, 60.3571**.

A 20% lighter version of the original color is **78.3915, 91.4492, 106.4483**, and **23.1348, 31.6051, 30.4723** is the 20% darker color. If you saturate the color by 10%, you get **43.5711, 59.7928, 57.0664**, and if you desaturate by 10%, it is **53.3050, 64.6117, 66.5191**.

Distribution



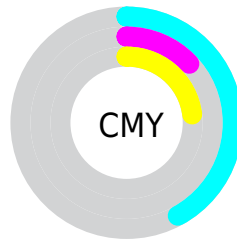
- Red (58%)
- Green (87%)
- Blue (77%)



- Red (58%)
- Yellow (75%)
- Blue (87%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)





- Cyan (42%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0330, 61.9943, 61.6590 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 48.0330, 61.9943, 61.6590 by changing the saturation by 10% instead.


 48.0330, 61.9943,
61.6590


 48.0330, 61.9943,
61.6590


369.5033,
431.9103, 448.6594

 34.0644, 45.0281,
44.3232


 86.4629, 107.7173,
108.7993

 23.1062, 31.4796,
30.5856


 111.6550,
137.2429, 139.4410

 14.7931, 20.9643,
20.0277

141.3188,
171.7237, 175.3550

 8.7596, 13.0979,
12.2309

175.8199,
211.5442, 216.9599

 4.6406, 7.4960,
6.7767

215.5235,
257.0887, 264.6743

 2.0705, 3.7742,
3.2465

260.7951,

 0.6731, 1.5481,

308.7416, 318.9166

1.2218

311.9999,
366.8873, 380.1055

■ 0.0000, 0.3222,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.0330, 61.9943,
61.6590

■ 48.0330, 61.9943,
61.6590

■ 43.5711, 59.7928,
57.0664

■ 53.3050, 64.6117,
66.5191

■ 39.8699, 57.9769,
52.7318

■ 59.4227, 67.6583,
71.6476

■ 36.8826, 56.5241,
48.6508

■ 66.4258, 71.1562,
77.0509

■ 34.5547, 55.4065,
44.8174

■ 74.3497, 75.1235,
82.7337

■ 32.8235, 54.5917,
41.2252

■ 81.9270, 78.9069,
88.6398

■ 31.6135, 54.0410,
37.8670

■ 83.0371, 79.3509,
94.4858

■ 30.9925, 53.7691,
35.6593

■ 84.1943, 79.8138,
100.5794

■ 85.1475, 80.1951,
105.5992

Harmonies

Analogous

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



50.3471, 61.9943, 47.8989



48.0330, 61.9943, 61.6590



48.4782, 61.9943, 79.6172

Triad

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



48.0330, 61.9943, 61.6590



63.0149, 61.9943, 104.6643



66.8991, 61.9943, 44.8021

Complementary

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



48.0330, 61.9943, 61.6590



47.9537, 39.5707, 44.6482

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.



70.7712, 61.9943, 56.6814



48.0330, 61.9943, 61.6590



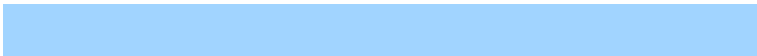
68.4229, 61.9943, 91.8324

Square

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



48.0330, 61.9943, 61.6590



56.8468, 61.9943, 106.6279



71.3475, 61.9943, 73.7014



61.0506, 61.9943, 39.3510

Rectangle

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



48.0330, 61.9943, 61.6590



50.2910, 61.9943, 91.5712



71.3475, 61.9943, 73.7014



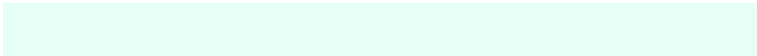
68.4918, 61.9943, 48.0685

Sweetspot

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



48.0347, 61.9968, 61.6604



84.9084, 94.9306, 101.2516



48.5592, 62.8007, 37.5804



17.8907, 20.1777, 21.4486



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.



48.0347, 61.9968, 61.6604



61.8238, 83.4631, 80.6073



48.3248, 57.6366, 76.9875



13.2455, 14.7498, 15.7558



18.0583, 31.2560, 21.0043



1.2097, 2.0408, 1.5705

Inverse Universe

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



47.9537, 39.5707, 44.6482



61.7012, 47.6705, 53.4891



47.5556, 42.2910, 33.6745



13.2392, 13.1248, 14.5208



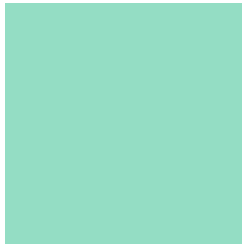
18.1217, 9.2497, 5.0209



1.2137, 0.6151, 0.5341

Previews

White Background



This preview shows how the XYZ color 48.0330, 61.9943, 61.6590 looks on a white background.

Color Contrast Check

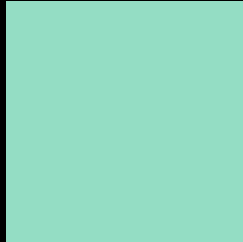
Large Text (above 18pt) WCAG AA × Fail

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 48.0330, 61.9943, 61.6590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

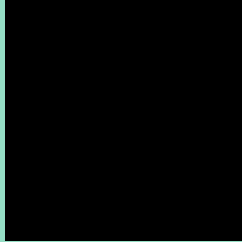
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

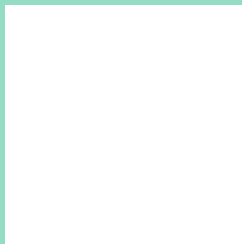
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0330, 61.9943, 61.6590

Background



This preview shows how black text looks on a background with the XYZ color 48.0330, 61.9943, 61.6590.



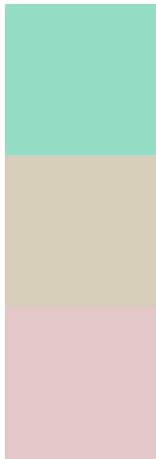
This preview shows how white text looks on a background with the XYZ color 48.0330, 61.9943,

61.6590.

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

48.0330, 61.9943, 61.6590

Protanopia

58.5325, 61.5466, 55.8084

Deuteranopia

62.6446, 61.3948, 63.8070



Tritanopia

52.9741, 62.0628, 86.2781

Trichromacy



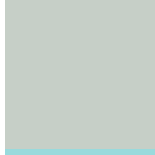
Original Color

48.0330, 61.9943, 61.6590



Protanomaly

53.8237, 61.2534, 57.7015



Deuteranomaly

55.9103, 60.7549, 62.8129



Tritanomaly

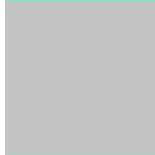
51.1265, 62.0824, 76.9986

Monochromacy



Original Color

48.0330, 61.9943, 61.6590



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.3855, 57.2319, 60.6158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0330, 61.9943, 61.6590 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(148, 221, 196)` looks like.

```
.text, #text, p{  
    color:rgb(148, 221, 196)  
}
```

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(148, 221, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 221, 196) }
```

Border

The CSS property to change the border of an element to XYZ 48.0330, 61.9943, 61.6590 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(148, 221, 196) }
```


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

```
.border{ border-color:rgb(148, 221, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 221, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 221, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 221, 196);  
box-shadow:4px 4px 4px 4px rgb(148, 221,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0330, 61.9943, 61.6590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 221, 196) }
```

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

```
.background{ background-color: rgb(148,  
221, 196) }
```

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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