Converting Colors

XYZ(48.0792, 60.0527, 59.4585)

Have a look what the booklet for XYZ(48.0792, 60.0527, 59.4585) contains.

XYZ(48.0861, 60.1301, 59.5239) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

Color

XYZ(48.0861, 60.1301, 59.5239)

Conversions

Conversions Part 1

Format	Color
Hex	9DD8C1
RGB	157, 216, 193
RGB Percent	62%, 85%, 76%
CMY	0.3843, 0.1529, 0.2431
CMYK	0.27, 0.00, 0.11, 0.15
HSL	157°, 43%, 73%
HSV	157°, 27%, 85%
XYZ	48.0861, 60.1301, 59.5239
YIQ	195.7370, -27.7810, -19.6610

Conversions

Conversions Part 2

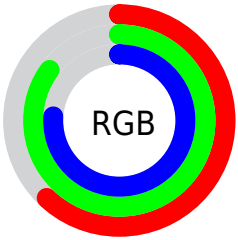
Format	Color
RYB	157, 194, 216
Decimal	10344641
CIELab	81.91, -23.61, 5.27
CIELCh	82, 24.193, 167.407
Yxy	60.1301, 0.2867, 0.3585
Android (android.graphics.Color)	4288534721 (0xFF9DD8C1)
YUV	195.7370, -1.3493, -33.9723
Hunter-Lab	77.5436, -25.0104, 8.7684

Details

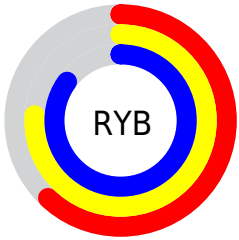
The XYZ color 48.0861, 60.1301, 59.5239 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 48.6162, 42.0096, 48.7288, and the grayscale version is 52.3329, 55.0582, 59.9584.

A 20% lighter version of the original color is 80.2995, 92.5057, 103.2457, and 23.1874, 30.3262, 29.4424 is the 20% darker color. If you saturate the color by 10%, you get 43.3261, 57.7833, 54.5368, and if you desaturate by 10%, it is 53.6480, 62.8873, 64.8303.

Distribution

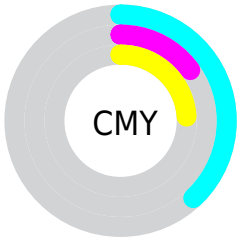


- Red (62%)
- Green (85%)
- Blue (76%)



- Red (62%)
- Yellow (76%)
- Blue (85%)

- Cyan (27%)
- Magenta (0%)
- Yellow (11%)
- Black (15%)



- Cyan (38%)
- Magenta (15%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0861, 60.1301, 59.5239 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 48.0861, 60.1301, 59.5239 by changing the saturation by 10% instead.

48.0861, 60.1301, 59.5239

48.0861, 60.1301, 59.5239

369.7102, 425.0771, 440.5965

34.1066, 43.5235, 42.6122

86.5415, 105.0184, 105.6753

23.1388, 30.2961, 29.2518

111.7481, 134.0688, 135.7521

14.8173, 20.0634, 19.0242

141.4278, 168.0361, 171.0544

8.7767, 12.4412, 11.5108

175.9460, 207.3044, 212.0007

4.6518, 7.0449, 6.2930

215.6680, 252.2583, 259.0095

2.0771, 3.4902, 2.9524

260.9591,

0.6767, 1.3927,

303.2821, 312.4993

312.1847, 360.7603, 372.8888

1.0704

0.0000, 0.2113, 0.0000

0.0000, 0.0000, 0.0000

48.0861, 60.1301, 59.5239

48.0861, 60.1301, 59.5239

43.3261, 57.7833, 54.5368

53.6480, 62.8873, 64.8303

39.3228, 55.8189, 49.8586

60.0440, 66.0666, 70.4583

36.0342, 54.2170, 45.4837

67.3105, 69.6883, 76.4152

33.4118, 52.9527, 41.4052

75.4804, 73.7693, 82.7068

31.4010, 51.9979, 37.6154

29.9378, 51.3197, 34.1062

28.9364, 50.8741, 30.8684

28.7077, 50.7742, 30.0429

80.8079, 76.3783, 89.1621

82.0546, 76.8770, 95.7271

83.3597, 77.3991, 102.5997

83.8470, 77.5940, 105.1657

Harmonies

Analogous

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

50.2171, 60.1301, 48.2085

48.0861, 60.1301, 59.5239

48.2768, 60.1301, 74.2585

Triad

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

48.0861, 60.1301, 59.5239

60.1429, 60.1301, 96.1721

64.0654, 60.1301, 46.8582

Complementary

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

48.0861, 60.1301, 59.5239

48.6162, 42.0096, 48.7288

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.

67.0530, 60.1301, 57.4064

48.0861, 60.1301, 59.5239

64.6973, 60.1301, 86.4301

Square

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

48.0861, 60.1301, 59.5239

55.0356, 60.1301, 96.9650

67.2909, 60.1301, 71.8026

59.3217, 60.1301, 41.6628

Rectangle

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

48.0861, 60.1301, 59.5239

49.6945, 60.1301, 84.1031

67.2909, 60.1301, 71.8026

65.3203, 60.1301, 49.8172

Sweetspot

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

48.0878, 60.1326, 59.5253

86.6848, 95.8324, 101.9623

49.6060, 61.3242, 41.1213

18.2373, 20.3544, 21.5524

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.

48.0878, 60.1326, 59.5253

65.7327, 85.4454, 82.2712

49.3725, 58.2710, 73.6139

12.5775, 14.0220, 14.8557

17.0456, 30.0736, 18.0677

1.0682, 1.8299, 1.3007

Inverse Universe

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

48.6162, 42.0096, 48.7288

66.6325, 54.6724, 63.9521

47.4860, 43.1936, 37.7335

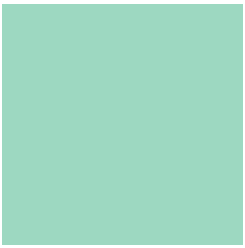
12.6217, 12.5002, 13.9481

17.7633, 9.0416, 6.0577

1.1114, 0.5613, 0.5760

Previews

White Background

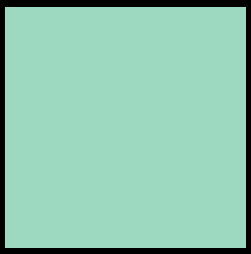


This preview shows how the XYZ color 48.0861, 60.1301, 59.5239 looks on a white background.

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



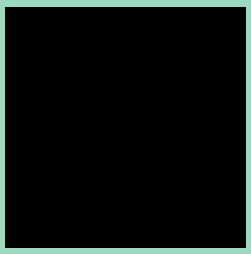
This preview shows how the XYZ color 48.0861, 60.1301, 59.5239 looks on a black background.

Color Contrast Check

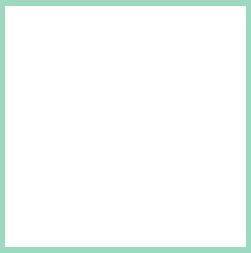
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 48.0861, 60.1301, 59.5239 Background



This preview shows how black text looks on a background with the XYZ color 48.0861, 60.1301, 59.5239.



This preview shows how white text looks on a background with the XYZ color 48.0861, 60.1301,

59.5239.

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

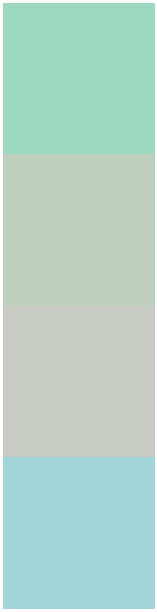
Original Color
48.0861, 60.1301, 59.5239

Protanopia
56.8474, 59.6351, 54.9689

Deuteranopia
60.8693, 59.5186, 61.1034

Tritanopia
52.6077, 60.0825, 82.2231

Trichromacy



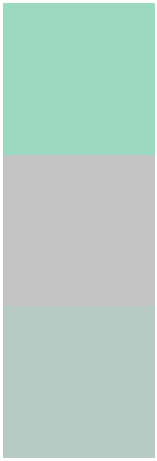
Original Color
48.0861, 60.1301, 59.5239

Protanomaly
52.9840, 59.3761, 56.8123

Deuteranomaly
55.1392, 58.9768, 60.7021

Tritanomaly
50.7579, 60.0719, 73.2098

Monochromacy



Original Color
48.0861, 60.1301, 59.5239

Achromatopsia
52.4687, 55.2011, 60.1140

Achromatomaly
50.4977, 56.5971, 59.8926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0861, 60.1301, 59.5239 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(157, 216, 193) looks like.

```
.text, #text, p{
    color:rgb(157, 216, 193)
}
```

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(157, 216, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 216, 193) }
```

Border

The CSS property to change the border of an element to XYZ 48.0861, 60.1301, 59.5239 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(157, 216, 193) }
```

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

```
.border{ border-color:rgb(157, 216, 193) }
```

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

Here you see how a box with a 4 pixel rgb(157, 216, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 216, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 216, 193); box-shadow:4px 4px 4px 4px rgb(157, 216, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0861, 60.1301, 59.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(157, 216, 193) }
```

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

```
.background{ background-color:rgb(157,
216, 193) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor