

Converting Colors

XYZ(48.7772, 61.5589, 63.3440)

Have a look what the booklet for
XYZ(48.7772, 61.5589, 63.3440)
contains.

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Color

**XYZ(48.7772, 61.5589,
63.3440)**

Conversions

Conversions Part 1

Format	Color
Hex	99DBC7
RGB	153, 219, 199
RGB Percent	60%, 86%, 78%
CMY	0.4000, 0.1412, 0.2196
CMYK	0.30, 0.00, 0.09, 0.14
HSL	162°, 48%, 73%
HSV	162°, 30%, 86%
XYZ	48.7772, 61.5589, 63.3440
YIQ	196.9860, -32.9160, -20.2120

Conversions

Conversions Part 2

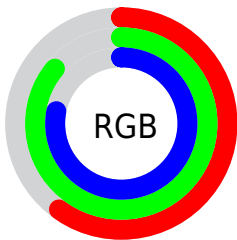
Format	Color
RYB	153, 192, 219
Decimal	10083271
CIELab	82.68, -25.03, 3.18
CIELCh	83, 25.228, 172.770
Yxy	61.5589, 0.2808, 0.3544
Android (android.graphics.Color)	4288273351 (0xFF99DBC7)
YUV	196.9860, 0.9929, -38.5757
Hunter-Lab	78.4595, -26.3330, 7.0541

Details

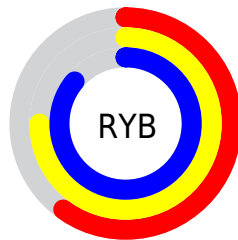
The XYZ color **48.7772, 61.5589, 63.3440** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.1496, 40.8613, 44.8870**, and the grayscale version is **53.0723, 55.8362, 60.8056**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **23.6418, 31.3046, 31.5844** is the 20% darker color. If you saturate the color by 10%, you get **44.2634, 59.3207, 59.1982**, and if you desaturate by 10%, it is **54.0867, 64.2067, 67.7052**.

Distribution



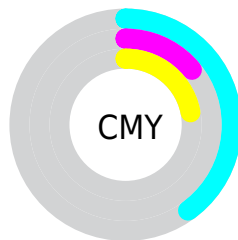
- Red (60%)
- Green (86%)
- Blue (78%)



- Red (60%)
- Yellow (75%)
- Blue (86%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (14%)



- Cyan (40%)
- Magenta (14%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7772, 61.5589, 63.3440 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 48.7772, 61.5589, 63.3440 by changing the saturation by 10% instead.

 48.7772, 61.5589,
63.3440


 48.7772, 61.5589,
63.3440


372.3961,
430.3203, 454.9591

 34.6566, 44.6764,
45.6768


 87.5632, 107.0878,
111.2560

 23.5637, 31.2026,
31.6440


 112.9592,
136.5029, 142.3379

 15.1333, 20.7532,
20.8272


142.8445,
170.8643, 178.7284

 8.9999, 12.9437,
12.8077

177.5843,
210.5565, 220.8460

 4.7982, 7.3898,
7.1671

217.5440,
255.9638, 269.1094

 2.1629, 3.7070,
3.4868

263.0890,

 0.7231, 1.5111,

307.4706, 323.9370

1.3483

314.5845,
365.4613, 385.7474

■ 0.0000, 0.2965,
0.1009

■ 0.0000, 0.0000,
0.0000

■ 48.7772, 61.5589,
63.3440

■ 48.7772, 61.5589,
63.3440

■ 44.2634, 59.3207,
59.1982

■ 54.0867, 64.2067,
67.7052

■ 40.4981, 57.4629,
55.2594

■ 60.2256, 67.2765,
72.2815

■ 37.4371, 55.9644,
51.5246

■ 67.2317, 70.7893,
77.0781

■ 35.0292, 54.7988,
47.9891

■ 75.1391, 74.7628,
82.0989

■ 33.2160, 53.9362,
44.6478

■ 81.1648, 77.7622,
87.2155

■ 31.9283, 53.3407,
41.4951

■ 82.1268, 78.1469,
92.2810

■ 31.0521, 52.9531,
38.5623

■ 83.1247, 78.5461,
97.5362

■ 84.1591, 78.9599,
102.9831

■ 84.6226, 79.1453,
105.4242

Harmonies

Analogous

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



50.6056, 61.5589, 50.5572



48.7772, 61.5589, 63.3440



49.4254, 61.5589, 79.2422

Triad

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



48.7772, 61.5589, 63.3440



62.6325, 61.5589, 98.4512



65.0377, 61.5589, 45.9791

Complementary

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



48.7772, 61.5589, 63.3440



48.1496, 40.8613, 44.8870

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.



68.6444, 61.5589, 56.1367



48.7772, 61.5589, 63.3440



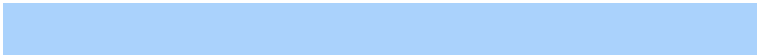
67.1971, 61.5589, 86.7341

Square

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



48.7772, 61.5589, 63.3440



57.2093, 61.5589, 101.1720



69.4581, 61.5589, 70.8504



59.8301, 61.5589, 41.5851

Rectangle

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



48.7772, 61.5589, 63.3440



51.1950, 61.5589, 89.3818



69.4581, 61.5589, 70.8504



66.4903, 61.5589, 48.7501

Sweetspot

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



48.7789, 61.5614, 63.3454



86.0052, 95.4643, 102.7368



48.5165, 61.9528, 39.5390



18.1162, 20.2868, 21.7818



0.0000, 0.0000, 0.0000



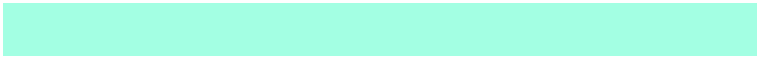
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7789, 61.5614, 63.3454



64.7951, 84.8836, 85.7716



48.2136, 56.4664, 75.3788



13.2680, 14.7588, 15.8744



18.4623, 31.4176, 23.1317



1.2337, 2.0504, 1.6965

Inverse Universe

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



48.1496, 40.8613, 44.8870



63.7790, 51.2880, 55.8405



48.4383, 44.3080, 36.1373



13.2177, 13.1162, 14.4075



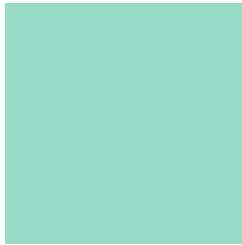
17.9545, 9.1828, 4.1404



1.2009, 0.6100, 0.4667

Previews

White Background



This preview shows how the XYZ color 48.7772, 61.5589, 63.3440 looks on a white background.

Color Contrast Check

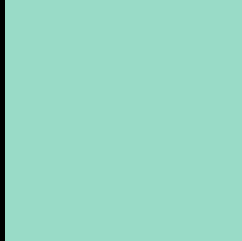
Large Text (above 18pt) WCAG AA × Fail

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 48.7772, 61.5589, 63.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

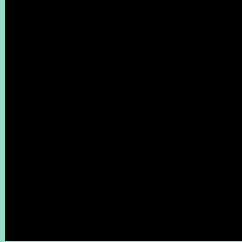
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7772, 61.5589, 63.3440

Background



This preview shows how black text looks on a background with the XYZ color 48.7772, 61.5589, 63.3440.



This preview shows how white text looks on a background with the XYZ color 48.7772, 61.5589,

63.3440.

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

48.7772, 61.5589, 63.3440

Protanopia

58.1482, 60.9444, 57.9889

Deuteranopia

62.0249, 60.7075, 64.9486



Tritanopia

52.9676, 61.3362, 84.6487

Trichromacy



Original Color

48.7772, 61.5589, 63.3440

Protanomaly

54.0239, 60.5723, 59.8832

Deuteranomaly

56.2852, 60.5490, 64.5977

Tritanomaly

51.2467, 61.3943, 76.1671

Monochromacy



Original Color

48.7772, 61.5589, 63.3440

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.0804, 57.5636, 61.8447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7772, 61.5589, 63.3440 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(153, 219, 199)` looks like.

```
.text, #text, p{  
    color:rgb(153, 219, 199)  
}
```

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(153, 219, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 199) }
```

Border

The CSS property to change the border of an element to XYZ 48.7772, 61.5589, 63.3440 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(153, 219, 199) }
```


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

```
.border{ border-color:rgb(153, 219, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 219, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 219, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 219, 199);  
box-shadow:4px 4px 4px 4px rgb(153, 219,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7772, 61.5589, 63.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 219, 199) }
```

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

```
.background{ background-color: rgb(153,  
219, 199) }
```

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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