

Converting Colors

XYZ(48.1871, 60.4712, 63.7760)

Have a look what the booklet for
XYZ(48.1871, 60.4712, 63.7760)
contains.

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Color

**XYZ(48.1871, 60.4712,
63.7760)**

Conversions

Conversions Part 1

Format	Color
Hex	98D9C8
RGB	152, 217, 200
RGB Percent	60%, 85%, 78%
CMY	0.4039, 0.1490, 0.2157
CMYK	0.30, 0.00, 0.08, 0.15
HSL	164°, 46%, 72%
HSV	164°, 30%, 85%
XYZ	48.1871, 60.4712, 63.7760
YIQ	195.6270, -33.2830, -19.0670

Conversions

Conversions Part 2

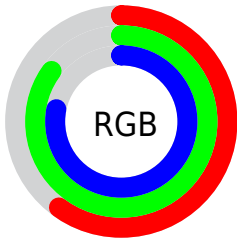
Format	Color
RYB	152, 189, 217
Decimal	10017224
CIELab	82.09, -24.13, 1.79
CIELCh	82, 24.195, 175.761
Yxy	60.4712, 0.2795, 0.3507
Android (android.graphics.Color)	4288207304 (0xFF98D9C8)
YUV	195.6270, 2.1559, -38.2609
Hunter-Lab	77.7632, -25.4756, 5.8087

Details

The XYZ color **48.1871, 60.4712, 63.7760** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0070, 40.0744, 42.7962**, and the grayscale version is **52.2491, 54.9702, 59.8625**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **23.2542, 30.5686, 31.8688** is the 20% darker color. If you saturate the color by 10%, you get **43.8405, 58.3072, 60.1746**, and if you desaturate by 10%, it is **53.3048, 63.0330, 67.5447**.

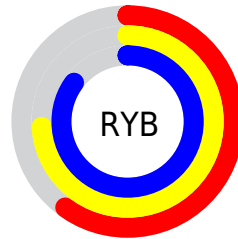
Distribution



Red (60%)

Green (85%)

Blue (78%)



Red (60%)

Yellow (74%)

Blue (85%)

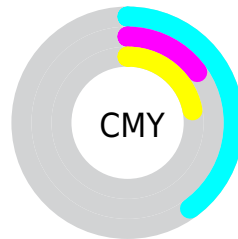


Cyan (30%)

Magenta (0%)

Yellow (8%)

Black (15%)



Cyan (40%)


Magenta (15%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1871, 60.4712, 63.7760 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 48.1871, 60.4712, 63.7760 by changing the saturation by 10% instead.

 48.1871, 60.4712,
63.7760


 48.1871, 60.4712,
63.7760


370.1035,
426.3324, 456.5655

 34.1869, 43.7985,
46.0242


 86.6909, 105.5129,
111.8846

 23.2008, 30.5122,
31.9162


 111.9253,
134.6507, 143.0786

 14.8634, 20.2277,
21.0332


141.6351,
168.7124, 179.5904

 8.8092, 12.5606,
12.9568

176.1858,
208.0824, 221.8385

 4.6731, 7.1267,
7.2684

215.9426,
253.1449, 270.2416

 2.0895, 3.5415,
3.5495

261.2709,

 0.6835, 1.4205,

304.2845, 325.2181

1.3816

312.5361,
361.8856, 387.1865

■ 0.0000, 0.2318,
0.1273

■ 0.0000, 0.0000,
0.0000

■ 48.1871, 60.4712,
63.7760

■ 48.1871, 60.4712,
63.7760

■ 43.8405, 58.3072,
60.1746

■ 53.3048, 63.0330,
67.5447

■ 40.2190, 56.5127,
56.7331

■ 59.2263, 66.0046,
71.4796

■ 37.2796, 55.0671,
53.4493

■ 65.9884, 69.4068,
75.5851

■ 34.9727, 53.9447,
50.3195

■ 73.6242, 73.2564,
79.8641

■ 33.2413, 53.1163,
47.3396

■ 80.1107, 76.5105,
84.2232

■ 32.0183, 52.5473,
44.5049

■ 80.9136, 76.8317,
88.4515

■ 31.1838, 52.1759,
41.8084

■ 81.7427, 77.1633,
92.8174

■ 31.1803, 52.1744,
41.7963

■ 82.5982, 77.5055,
97.3222

■ 83.4802, 77.8583,
101.9671

Harmonies

Analogous

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



49.6990, 60.4712, 51.1890



48.1871, 60.4712, 63.7760



49.0399, 60.4712, 78.9035

Triad

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



48.1871, 60.4712, 63.7760



61.8718, 60.4712, 94.7120



63.2083, 60.4712, 45.1361

Complementary

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



48.1871, 60.4712, 63.7760



47.0070, 40.0744, 42.7962

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.



66.8281, 60.4712, 54.3094



48.1871, 60.4712, 63.7760



66.0248, 60.4712, 83.0562

Square

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



48.1871, 60.4712, 63.7760



56.7498, 60.4712, 98.2349



67.8881, 60.4712, 67.9539



58.2085, 60.4712, 41.4916

Rectangle

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



48.1871, 60.4712, 63.7760



50.8636, 60.4712, 88.2334



67.8881, 60.4712, 67.9539



64.6382, 60.4712, 47.6021

Sweetspot

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



48.1888, 60.4737, 63.7774



86.1534, 95.5235, 103.5172



46.9161, 60.3672, 38.8862



18.1529, 20.3015, 21.9748



0.0000, 0.0000, 0.0000



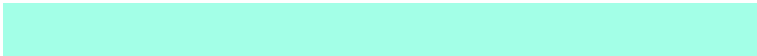
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1888, 60.4737, 63.7774



65.3273, 85.0965, 88.5745



46.5566, 53.8503, 73.5888



13.2919, 14.7684, 15.9999



18.9196, 31.6004, 25.5395



1.2603, 2.0611, 1.8368

Inverse Universe

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



47.0070, 40.0744, 42.7962



63.3651, 51.1224, 53.6607



48.1340, 44.7191, 35.8016



13.1952, 13.1072, 14.2890



17.8027, 9.1221, 3.3412



1.1886, 0.6051, 0.4022

Previews

White Background



This preview shows how the XYZ color 48.1871, 60.4712, 63.7760 looks on a white background.

Color Contrast Check

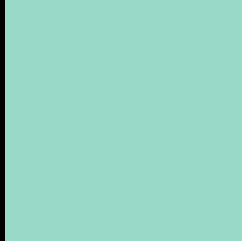
Large Text (above 18pt) WCAG AA × Fail

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 48.1871, 60.4712, 63.7760 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

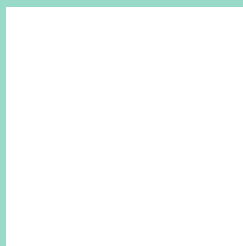
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1871, 60.4712, 63.7760

Background



This preview shows how black text looks on a background with the XYZ color 48.1871, 60.4712, 63.7760.

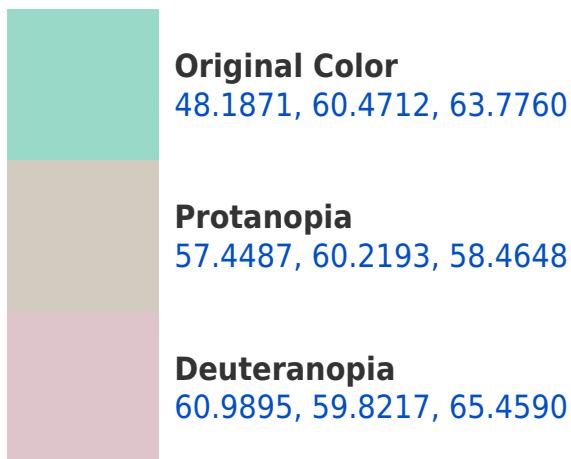


This preview shows how white text looks on a background with the XYZ color 48.1871, 60.4712,

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

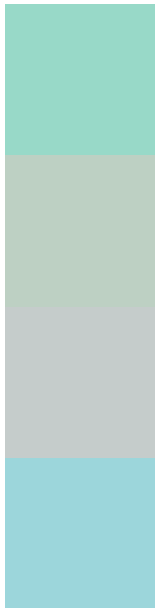




Tritanopia

52.1777, 60.5708, 83.8042

Trichromacy



Original Color

48.1871, 60.4712, 63.7760

Protanomaly

53.3925, 59.8707, 60.3719

Deuteranomaly

55.3983, 59.3678, 65.0392

Tritanomaly

50.5431, 60.2755, 75.9883

Monochromacy



Original Color

48.1871, 60.4712, 63.7760

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.4933, 56.9202, 61.1487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1871, 60.4712, 63.7760 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(152, 217, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 217, 200)  
}
```

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(152, 217, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 217, 200) }
```

Border

The CSS property to change the border of an element to XYZ 48.1871, 60.4712, 63.7760 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(152, 217, 200) }
```


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

```
.border{ border-color:rgb(152, 217, 200) }
```

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

Here you see how a box with a 4 pixel rgb(152, 217, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 217, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 217, 200);  
box-shadow:4px 4px 4px 4px rgb(152, 217,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1871, 60.4712, 63.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 217, 200) }
```

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

```
.background{ background-color: rgb(152,  
217, 200) }
```

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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