

Converting Colors

XYZ(46.9409, 62.4074, 53.2879)

Have a look what the booklet for
XYZ(46.9409, 62.4074, 53.2879)
contains.

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Color

**XYZ(46.9409, 62.4074,
53.2879)**

Conversions

Conversions Part 1

Format	Color
Hex	94DFB5
RGB	148, 223, 181
RGB Percent	58%, 87%, 71%
CMY	0.4196, 0.1255, 0.2902
CMYK	0.34, 0.00, 0.19, 0.13
HSL	146°, 54%, 73%
HSV	146°, 34%, 87%
XYZ	46.9409, 62.4074, 53.2879
YIQ	195.7870, -31.2180, -28.9620

Conversions

Conversions Part 2

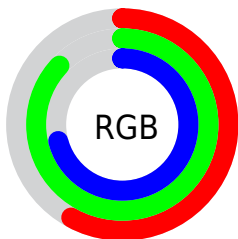
Format	Color
RYB	148, 200, 223
Decimal	9756597
CIELab	83.13, -32.06, 13.30
CIElCh	83, 34.711, 157.466
Yxy	62.4074, 0.2886, 0.3837
Android (android.graphics.Color)	4287946677 (0xFF94DFB5)
YUV	195.7870, -7.2900, -41.9092
Hunter-Lab	78.9984, -32.1822, 15.3051

Details

The XYZ color **46.9409, 62.4074, 53.2879** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.3177, 40.5870, 53.8997**, and the grayscale version is **52.3987, 55.1276, 60.0339**.

A 20% lighter version of the original color is **75.9479, 90.4718, 93.5807**, and **22.3311, 31.5756, 25.3398** is the 20% darker color. If you saturate the color by 10%, you get **42.0649, 60.0369, 46.6683**, and if you desaturate by 10%, it is **52.7123, 65.2296, 60.5518**.

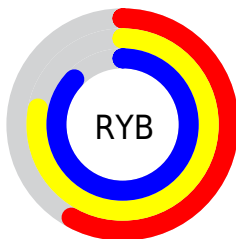
Distribution



Red (58%)

Green (87%)

Blue (71%)



Red (58%)

Yellow (78%)

Blue (87%)

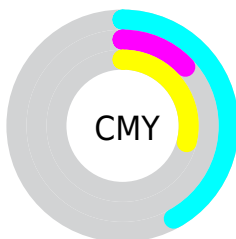


Cyan (34%)

Magenta (0%)

Yellow (19%)

Black (13%)



Cyan (42%)


Magenta (13%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9409, 62.4074, 53.2879 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 46.9409, 62.4074, 53.2879 by changing the saturation by 10% instead.


 46.9409, 62.4074,
53.2879


 46.9409, 62.4074,
53.2879

365.2314,
433.4156, 416.4863

 33.1967, 45.3620,
37.6434


 84.8447, 108.3141,
96.4737

 22.4371, 31.7426,
25.4063

 109.7350,
137.9442, 124.8521

 14.2968, 21.1650,
16.1583

139.0713,
172.5380, 158.3121

 8.4105, 13.2447,
9.4806

173.2191,
212.4798, 197.2723

 4.4127, 7.5972,
4.9549

212.5436,
258.1541, 242.1513

 1.9382, 3.8383,
2.1626

257.4103,

 0.5989, 1.5835,

309.9452, 293.3676

0.6526

308.1844,
368.2376, 351.3398

■ 0.0000, 0.3465,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9409, 62.4074,
53.2879

■ 46.9409, 62.4074,
53.2879

■ 42.0649, 60.0369,
46.6683

■ 52.7123, 65.2296,
60.5518

■ 38.0313, 58.0861,
40.6708

■ 59.4180, 68.5182,
68.4728

■ 34.7894, 56.5309,
35.2781

■ 67.1009, 72.2965,
77.0689

■ 32.2806, 55.3413,
30.4703

■ 75.7995, 76.5843,
86.3560

■ 30.4373, 54.4831,
26.2264

■ 83.8737, 80.5356,
96.2708

■ 29.1782, 53.9147,
22.5237

■ 85.6788, 81.2576,
105.7763

■ 28.5990, 53.6617,
20.4352

Harmonies

Analogous

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



50.9503, 62.4074, 40.1031



46.9409, 62.4074, 53.2879



46.1065, 62.4074, 73.4739

Triad

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



46.9409, 62.4074, 53.2879



61.2147, 62.4074, 117.8218



71.5459, 62.4074, 45.7503

Complementary

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



46.9409, 62.4074, 53.2879



50.3177, 40.5870, 53.8997

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.



74.8353, 62.4074, 62.7121



46.9409, 62.4074, 53.2879



68.5515, 62.4074, 106.3929

Square

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



46.9409, 62.4074, 53.2879



53.9471, 62.4074, 113.8128



73.6956, 62.4074, 85.0839



65.0306, 62.4074, 36.4358

Rectangle

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



46.9409, 62.4074, 53.2879



47.3922, 62.4074, 88.8906



73.6956, 62.4074, 85.0839



73.0896, 62.4074, 50.5888

Sweetspot

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



46.9426, 62.4100, 53.2893



84.0682, 94.5945, 96.8274



53.0954, 65.9279, 37.9447



17.6874, 20.0964, 20.3781



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.



46.9426, 62.4100, 53.2893



59.0759, 82.3639, 66.1369



51.2573, 64.1359, 76.0104



13.7780, 15.4369, 15.8664



16.8698, 31.5728, 12.3034



1.2138, 2.2062, 1.0869

Inverse Universe

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



50.3177, 40.5870, 53.8997



64.2792, 48.7017, 67.0645



46.7729, 39.1690, 35.2331



14.0270, 13.8284, 15.9125



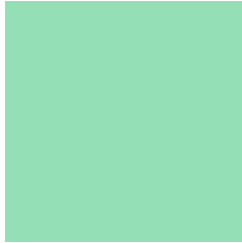
20.1231, 10.1162, 12.5800



1.4396, 0.7191, 1.1079

Previews

White Background



This preview shows how the XYZ color 46.9409, 62.4074, 53.2879 looks on a white background.

Color Contrast Check

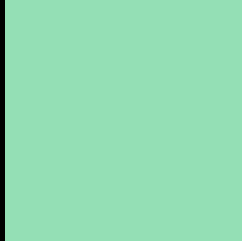
Large Text (above 18pt) WCAG AA × Fail

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 46.9409, 62.4074, 53.2879 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 46.9409, 62.4074, 53.2879

Background



This preview shows how black text looks on a background with the XYZ color 46.9409, 62.4074, 53.2879.

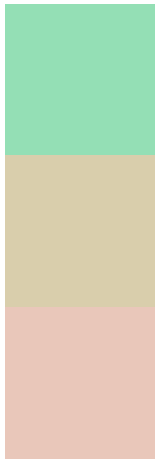


This preview shows how white text looks on a background with the XYZ color 46.9409, 62.4074,

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

46.9409, 62.4074, 53.2879

Protanopia

58.1330, 61.8729, 47.9085

Deuteranopia

62.8906, 61.7157, 55.0520



Tritanopia

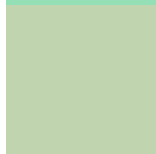
53.5619, 62.3659, 86.3056

Trichromacy



Original Color

46.9409, 62.4074, 53.2879



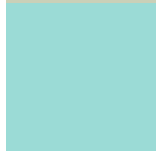
Protanomaly

53.0196, 61.3886, 49.6122



Deuteranomaly

55.5647, 61.1290, 54.2179



Tritanomaly

50.9867, 62.4866, 72.9922

Monochromacy



Original Color

46.9409, 62.4074, 53.2879



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.0657, 57.4879, 57.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9409, 62.4074, 53.2879 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, 223, 181)` looks like.

```
.text, #text, p{  
    color:rgb(148, 223, 181)  
}
```

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, 223, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 223, 181) }
```

Border

The CSS property to change the border of an element to XYZ 46.9409, 62.4074, 53.2879 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, 223, 181) }
```


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

```
.border{ border-color:rgb(148, 223, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 223, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 223, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 223, 181); box-shadow:4px 4px 4px 4px rgb(148, 223, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9409, 62.4074, 53.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 223, 181) }
```

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

```
.background{ background-color: rgb(148,  
223, 181) }
```

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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