

Converting Colors

XYZ(42.5576, 53.0892, 49.0334)

Have a look what the booklet for
XYZ(42.5576, 53.0892, 49.0334)
contains.

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Color

**XYZ(42.5662, 53.0926,
49.0787)**

Conversions

Conversions Part 1

Format	Color
Hex	99CCB0
RGB	153, 204, 176
RGB Percent	60%, 80%, 69%
CMY	0.4000, 0.2000, 0.3098
CMYK	0.25, 0.00, 0.14, 0.20
HSL	147°, 33%, 70%
HSV	147°, 25%, 80%
XYZ	42.5662, 53.0926, 49.0787
YIQ	185.5590, -21.4080, -19.5200

Conversions

Conversions Part 2

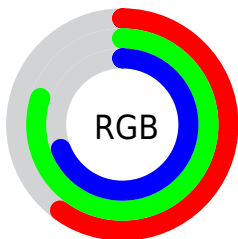
Format	Color
RYB	153, 188, 204
Decimal	10079408
CIELab	77.93, -22.33, 8.60
CIELCh	78, 23.927, 158.932
Yxy	53.0926, 0.2941, 0.3668
Android (android.graphics.Color)	4288269488 (0xFF99CCB0)
YUV	185.5590, -4.7126, -28.5542
Hunter-Lab	72.8647, -23.2368, 11.0699

Details

The XYZ color **42.5662, 53.0926, 49.0787** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6354, 38.9573, 48.8853**, and the grayscale version is **46.4608, 48.8803, 53.2307**.

A 20% lighter version of the original color is **76.3379, 90.7561, 89.8382**, and **19.9113, 26.0346, 23.0445** is the 20% darker color. If you saturate the color by 10%, you get **37.9773, 50.8512, 43.3160**, and if you desaturate by 10%, it is **47.9078, 55.7144, 55.3563**.

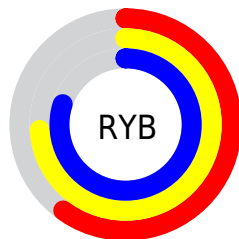
Distribution



Red (60%)

Green (80%)

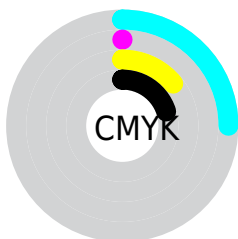
Blue (69%)



Red (60%)

Yellow (74%)

Blue (80%)

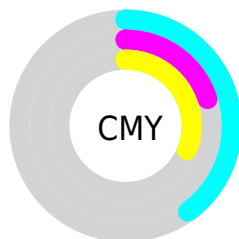


Cyan (25%)

Magenta (0%)

Yellow (14%)

Black (20%)



Cyan (40%)


Magenta (20%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5662, 53.0926, 49.0787 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 42.5662, 53.0926, 49.0787 by changing the saturation by 10% instead.


 42.5662, 53.0926,
49.0787


 42.5662, 53.0926,
49.0787


347.7765,
398.6403, 399.6834

 29.7379, 37.8767,
34.3159


 78.3156, 94.7406,
90.1905

 19.7868, 25.8870,
22.8570


 101.9675,
121.9415, 117.3766

 12.3476, 16.7391,
14.2837


129.9580,
153.9062, 149.5408

 7.0547, 10.0487,
8.1772

162.6524,
191.0191, 187.1018

 3.5430, 5.4312,
4.1192

200.4161,
233.6645, 230.4780

 1.4470, 2.5024,
1.6909

243.6145,

 0.2893, 0.8779,

282.2269, 280.0880

0.3545

292.6128,
337.0907, 336.3503

■ 0.0000, 0.0000,
0.0000

■ 42.5662, 53.0926,
49.0787

■ 42.5662, 53.0926,
49.0787

■ 37.9773, 50.8512,
43.3160

■ 47.9078, 55.7144,
55.3563

■ 34.1010, 48.9654,
38.0515

■ 54.0309, 58.7267,
62.1578

■ 30.9001, 47.4178,
33.2727

■ 60.9682, 62.1478,
69.4966

■ 28.3320, 46.1865,
28.9651

■ 68.7491, 65.9924,
77.3844

■ 26.3491, 45.2475,
25.1136

■ 77.4001, 70.2742,
85.8326

■ 24.8963, 44.5726,
21.7021

■ 79.0426, 70.9312,
94.4822

■ 23.9071, 44.1277,
18.7132

■ 80.7884, 71.6295,
103.6755

■ 23.5255, 43.9603,
17.3698

■ 80.8838, 71.6677,
104.1779

Harmonies

Analogous

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



45.0470, 53.0926, 40.0802



42.5662, 53.0926, 49.0787



42.1307, 53.0926, 61.8791

Triad

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



42.5662, 53.0926, 49.0787



51.8648, 53.0926, 86.9948



57.7473, 53.0926, 43.1561

Complementary

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



42.5662, 53.0926, 49.0787



44.6354, 38.9573, 48.8853

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.



59.8271, 53.0926, 53.9210



42.5662, 53.0926, 49.0787



56.2964, 53.0926, 80.1189

Square

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



42.5662, 53.0926, 49.0787



47.3147, 53.0926, 85.1667



59.2805, 53.0926, 67.5173



53.7478, 53.0926, 37.0438

Rectangle

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



42.5662, 53.0926, 49.0787



43.0308, 53.0926, 71.1115



59.2805, 53.0926, 67.5173



58.7050, 53.0926, 46.2781

Sweetspot

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



42.5677, 53.0948, 49.0799



86.1877, 95.6336, 99.3450



46.4122, 55.3178, 38.3689



18.1121, 20.3044, 20.8932



0.0000, 0.0000, 0.0000



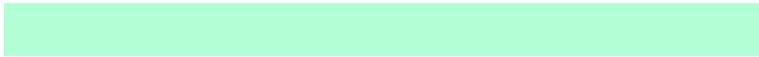
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5677, 53.0948, 49.0799



66.2451, 85.8482, 76.0285



45.3271, 54.1986, 63.6111



11.2748, 12.6197, 13.0047



14.8521, 27.6862, 11.1723



0.8043, 1.4435, 0.7768

Inverse Universe

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



44.6354, 38.9573, 48.8853



70.2449, 58.4941, 75.6473



42.2573, 38.0061, 36.3626



11.4657, 11.3150, 12.9871



17.5620, 8.8354, 10.6782



0.9439, 0.4710, 0.7507

Previews

White Background



This preview shows how the XYZ color 42.5662, 53.0926, 49.0787 looks on a white background.

Color Contrast Check

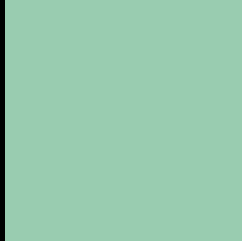
Large Text (above 18pt) WCAG AA × Fail

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 42.5662, 53.0926, 49.0787 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

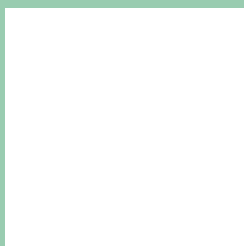
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5662, 53.0926, 49.0787

Background



This preview shows how black text looks on a background with the XYZ color 42.5662, 53.0926, 49.0787.



This preview shows how white text looks on a background with the XYZ color 42.5662, 53.0926,

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

42.5662, 53.0926, 49.0787

Protanopia

49.8796, 52.5437, 45.0491

Deuteranopia

53.6115, 52.4403, 50.4764



Tritanopia

47.0582, 53.1755, 71.4020

Trichromacy



Original Color

42.5662, 53.0926, 49.0787

Protanomaly

46.9535, 52.6488, 46.7172

Deuteranomaly

48.7245, 52.1604, 50.1477

Tritanomaly

45.2166, 53.1115, 62.5120

Monochromacy



Original Color

42.5662, 53.0926, 49.0787

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.9690, 50.5160, 51.6364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5662, 53.0926, 49.0787 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, 204, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 204, 176)  
}
```

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, 204, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 204, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.5662, 53.0926, 49.0787 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, 204, 176) }
```


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

```
.border{ border-color:rgb(153, 204, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 204, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 204, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 204, 176);  
box-shadow:4px 4px 4px 4px rgb(153, 204,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5662, 53.0926, 49.0787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 204, 176) }
```

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

```
.background{ background-color: rgb(153,  
204, 176) }
```

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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