

Converting Colors

XYZ(41.3962, 49.8479, 64.0926)

Have a look what the booklet for
XYZ(41.3962, 49.8479, 64.0926)
contains.

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Color

**XYZ(41.2270, 49.6476,
63.9100)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC5CB
RGB	138, 197, 203
RGB Percent	54%, 77%, 80%
CMY	0.4588, 0.2274, 0.2039
CMYK	0.32, 0.03, 0.00, 0.20
HSL	186°, 38%, 67%
HSV	186°, 32%, 80%
XYZ	41.2270, 49.6476, 63.9100
YIQ	180.0430, -37.0900, -10.6420

Conversions

Conversions Part 2

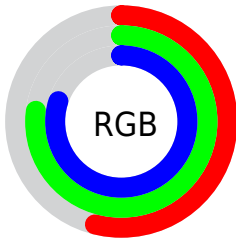
Format	Color
R _{YB}	138, 169, 203
Decimal	9094603
CIE Lab	75.85, -17.43, -9.09
CIE LCh	76, 19.656, 207.543
Yxy	49.6476, 0.2664, 0.3208
Android (android.graphics.Color)	4287284683 (0xFF8AC5CB)
YUV	180.0430, 11.3178, -36.8717
Hunter-Lab	70.4611, -18.8659, -4.4548

Details

The XYZ color **41.2270, 49.6476, 63.9100** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.1900, 34.4785, 28.6354**, and the grayscale version is **43.3621, 45.6203, 49.6806**.

A 20% lighter version of the original color is **75.4841, 89.4411, 107.8932**, and **18.9936, 23.7461, 32.0162** is the 20% darker color. If you saturate the color by 10%, you get **37.7549, 47.2314, 63.6275**, and if you desaturate by 10%, it is **45.3350, 52.4020, 64.2260**.

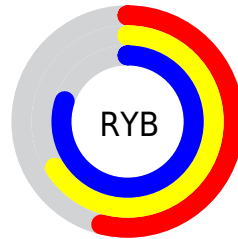
Distribution



Red (54%)

Green (77%)

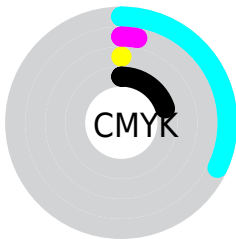
Blue (80%)



Red (54%)

Yellow (66%)

Blue (80%)

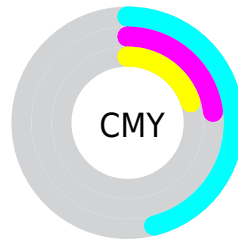


Cyan (32%)

Magenta (3%)

Yellow (0%)

Black (20%)



Cyan (46%)

Magenta (23%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2270, 49.6476, 63.9100 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 41.2270, 49.6476, 63.9100 by changing the saturation by 10% instead.

■ 41.2270, 49.6476,
63.9100

■ 41.2270, 49.6476,
63.9100

342.3149,
385.2862, 457.0631

■ 28.6850, 35.1335,
46.1321

■ 76.3009, 89.6525,
112.0795

■ 18.9857, 23.7657,
32.0006

■ 99.5635, 115.9121,
143.3082

■ 11.7639, 15.1599,
21.0972

■ 127.1302,
146.8556, 179.8576

■ 6.6542, 8.9317,
13.0031

159.3666,
182.8675, 222.1461

■ 3.2912, 4.6967,
7.2999

196.6379,
224.3321, 270.5924

■ 1.3095, 2.0704,
3.5691

239.3095,

■ 0.1903, 0.6479,

271.6338, 325.6149

1.3921

287.7467,
325.1571, 387.6323

■ 0.0000, 0.0000,
0.1355

■ 0.0000, 0.0000,
0.0000

■ 41.2270, 49.6476,
63.9100

■ 41.2270, 49.6476,
63.9100

■ 37.7549, 47.2314,
63.6275

■ 45.3350, 52.4020,
64.2260

■ 34.8794, 45.1292,
63.3733

■ 50.1069, 55.5052,
64.5734

■ 32.5632, 43.3233,
63.1468

■ 55.5743, 58.9749,
64.9550

■ 30.7635, 41.7913,
62.9459

■ 61.7654, 62.8256,
65.3720

■ 29.4308, 40.5079,
62.7684

■ 68.7070, 67.0712,
65.8256

■ 28.5062, 39.4425,
62.6115

■ 74.6348, 70.8021,
66.2333

■ 27.9762, 38.7049,
62.4971

■ 75.0949, 71.7223,
66.3867

■ 75.5604, 72.6534,
66.5418

■ 76.0314, 73.5954,
66.6988

Harmonies

Analogous

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



40.5091, 49.6476, 53.1994



41.2270, 49.6476, 63.9100



43.5162, 49.6476, 72.8833

Triad

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



41.2270, 49.6476, 63.9100



53.3710, 49.6476, 65.5959



47.4905, 49.6476, 36.3382

Complementary

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



41.2270, 49.6476, 63.9100



39.1900, 34.4785, 28.6354

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.



51.0619, 49.6476, 38.7899



41.2270, 49.6476, 63.9100



54.5646, 49.6476, 54.9254

Square

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



41.2270, 49.6476, 63.9100



50.5137, 49.6476, 73.9416



53.6988, 49.6476, 45.2740



44.0126, 49.6476, 38.1023

Rectangle

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



41.2270, 49.6476, 63.9100



45.6886, 49.6476, 76.1911



53.6988, 49.6476, 45.2740



48.7210, 49.6476, 36.6887

Sweetspot

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



41.2285, 49.6496, 63.9111



85.5368, 93.9883, 108.2410



36.8278, 50.1120, 33.8851



18.0432, 19.9475, 23.1492



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.



41.2285, 49.6496, 63.9111



65.1438, 80.4464, 106.7020



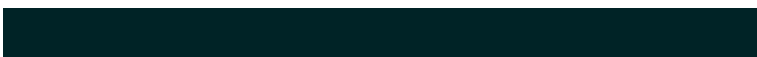
34.7320, 36.6566, 61.7456



11.4513, 12.5431, 14.3879



17.8392, 24.7024, 39.7841



0.9467, 1.3272, 2.0612

Inverse Universe

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



43.7964, 34.9059, 57.2547



70.1275, 52.4053, 93.6551



44.7260, 45.5506, 30.4807



11.6412, 11.3852, 13.9110



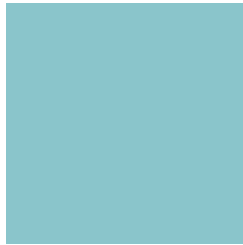
21.2153, 10.2967, 29.9161



1.1078, 0.5365, 1.6136

Previews

White Background



This preview shows how the XYZ color 41.2270, 49.6476, 63.9100 looks on a white background.

Color Contrast Check

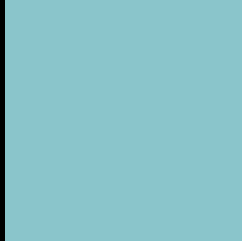
Large Text (above 18pt) WCAG AA × Fail

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 41.2270, 49.6476, 63.9100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

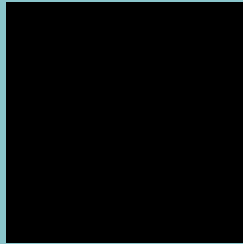
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2270, 49.6476, 63.9100

Background



This preview shows how black text looks on a background with the XYZ color 41.2270, 49.6476, 63.9100.



This preview shows how white text looks on a background with the XYZ color 41.2270, 49.6476,

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

41.2270, 49.6476, 63.9100

Protanopia

47.8063, 49.2482, 59.2108

Deuteranopia

50.1701, 49.1061, 65.2267



Tritanopia

42.3130, 49.7585, 69.0022

Trichromacy



Original Color

41.2270, 49.6476, 63.9100

Protanomaly

44.8686, 48.9537, 61.1170

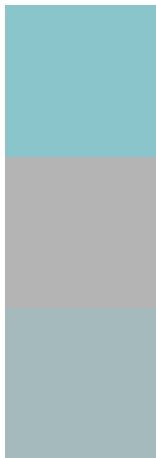
Deuteranomaly

46.2453, 48.9471, 64.7680

Tritanomaly

41.7726, 49.5229, 67.0317

Monochromacy



Original Color

41.2270, 49.6476, 63.9100

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.1531, 46.7480, 54.3785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2270, 49.6476, 63.9100 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(138, 197, 203)` looks like.

```
.text, #text, p{  
    color:rgb(138, 197, 203)  
}
```

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(138, 197, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 197, 203) }
```

Border

The CSS property to change the border of an element to XYZ 41.2270, 49.6476, 63.9100 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(138, 197, 203) }
```


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

```
.border{ border-color:rgb(138, 197, 203) }
```

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

Here you see how a box with a 4 pixel rgb(138, 197, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 197, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 197, 203);  
box-shadow:4px 4px 4px 4px rgb(138, 197,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2270, 49.6476, 63.9100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 197, 203) }
```

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

```
.background{ background-color: rgb(138,  
197, 203) }
```

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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