

Converting Colors

XYZ(40.6447, 49.6357, 50.8583)

Have a look what the booklet for
XYZ(40.6447, 49.6357, 50.8583)
contains.

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Color

**XYZ(40.5989, 49.6174,
50.6173)**

Conversions

Conversions Part 1

Format	Color
Hex	95C5B4
RGB	149, 197, 180
RGB Percent	58%, 77%, 71%
CMY	0.4157, 0.2274, 0.2941
CMYK	0.24, 0.00, 0.09, 0.23
HSL	159°, 29%, 68%
HSV	159°, 24%, 77%
XYZ	40.5989, 49.6174, 50.6173
YIQ	180.7100, -23.1510, -15.4630

Conversions

Conversions Part 2

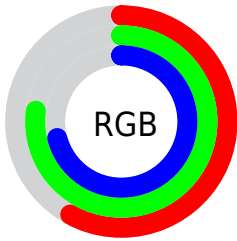
Format	Color
RYB	149, 178, 197
Decimal	9815476
CIELab	75.83, -19.28, 3.40
CIELCh	76, 19.578, 169.995
Yxy	49.6174, 0.2883, 0.3523
Android (android.graphics.Color)	4288005556 (0xFF95C5B4)
YUV	180.7100, -0.3500, -27.8097
Hunter-Lab	70.4396, -20.3883, 6.7025

Details

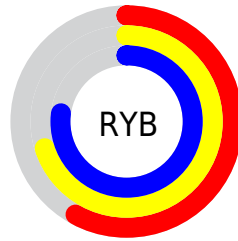
The XYZ color **40.5989, 49.6174, 50.6173** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.6581, 36.1196, 40.9074**, and the grayscale version is **43.7763, 46.0561, 50.1551**.

A 20% lighter version of the original color is **75.4840, 89.7771, 92.7072**, and **18.5830, 23.7186, 23.6774** is the 20% darker color. If you saturate the color by 10%, you get **36.6114, 47.6432, 46.8135**, and if you desaturate by 10%, it is **45.2330, 51.9235, 54.6403**.

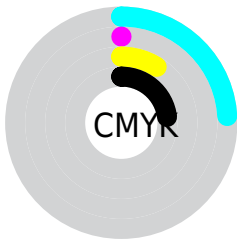
Distribution



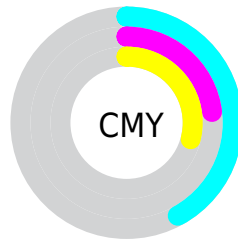
- Red (58%)
- Green (77%)
- Blue (71%)



- Red (58%)
- Yellow (70%)
- Blue (77%)



- Cyan (24%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)




- Cyan (42%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5989, 49.6174, 50.6173 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 40.5989, 49.6174, 50.6173 by changing the saturation by 10% instead.


 40.5989, 49.6174,
50.6173


 40.5989, 49.6174,
50.6173


339.7327,
385.1679, 405.8791

 28.1921, 35.1095,
35.5295


 75.3532, 89.6077,
92.4945

 18.6117, 23.7472,
23.7842


 98.4314, 115.8590,
120.1211

 11.4924, 15.1462,
14.9629


125.7974,
146.7934, 152.7643

 6.4688, 8.9221,
8.6470

157.8167,
182.7955, 190.8426

 3.1755, 4.6904,
4.4180

194.8545,
224.2496, 234.7748

 1.2472, 2.0668,
1.8574

237.2762,

 0.1432, 0.6458,

271.5401, 284.9792

0.4654

285.4471,
325.0514, 341.8745

■ 0.0000, 0.0000,
0.0000

■ 40.5989, 49.6174,
50.6173

■ 40.5989, 49.6174,
50.6173

■ 36.6114, 47.6432,
46.8135

■ 45.2330, 51.9235,
54.6403

■ 33.2351, 45.9787,
43.2213

■ 50.5384, 54.5701,
58.8833

■ 30.4378, 44.6086,
39.8376

■ 56.5436, 57.5732,
63.3511

■ 28.1823, 43.5139,
36.6578

■ 63.2743, 60.9460,
68.0475

■ 26.4268, 42.6730,
33.6770

■ 70.7547, 64.7010,
72.9762

■ 25.1233, 42.0614,
30.8900

■ 74.3745, 66.4613,
77.9239

■ 24.2138, 41.6491,
28.2909

■ 75.3287, 66.8430,
82.9488

■ 23.8126, 41.4725,
26.9053

■ 76.3221, 67.2404,
88.1800

■ 77.3552, 67.6536,
93.6198

Harmonies

Analogous

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



42.0003, 49.6174, 42.1386



40.5989, 49.6174, 50.6173



40.8850, 49.6174, 61.1712

Triad

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



40.5989, 49.6174, 50.6173



49.5932, 49.6174, 75.1306



51.8029, 49.6174, 40.0822

Complementary

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



40.5989, 49.6174, 50.6173



40.6581, 36.1196, 40.9074

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.



54.0460, 49.6174, 47.4581



40.5989, 49.6174, 50.6173



52.7255, 49.6174, 67.9594

Square

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



40.5989, 49.6174, 50.6173



45.9545, 49.6174, 76.2614



54.3921, 49.6174, 57.5821



48.3861, 49.6174, 36.5948

Rectangle

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



40.5989, 49.6174, 50.6173



41.9995, 49.6174, 67.9560



54.3921, 49.6174, 57.5821



52.7264, 49.6174, 42.1411

Sweetspot

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



40.6003, 49.6194, 50.6184



87.7838, 96.3698, 103.3335



41.2447, 50.2766, 35.9650



18.6616, 20.5633, 22.0169



0.0000, 0.0000, 0.0000



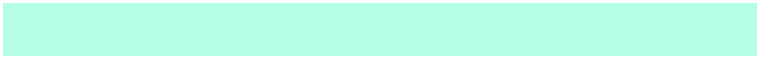
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6003, 49.6194, 50.6184



68.9436, 86.9961, 87.1454



41.0178, 47.5102, 59.8343



10.7810, 12.0013, 12.7971



15.7028, 27.2935, 17.9115



0.7770, 1.3058, 1.0246

Inverse Universe

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



40.6581, 36.1196, 40.9074



69.0663, 58.8450, 66.9057



40.2404, 37.6176, 33.5745



10.7864, 10.6980, 11.8587



15.9040, 8.1112, 4.7046



0.7875, 0.3978, 0.4042

Previews

White Background



This preview shows how the XYZ color 40.5989, 49.6174, 50.6173 looks on a white background.

Color Contrast Check

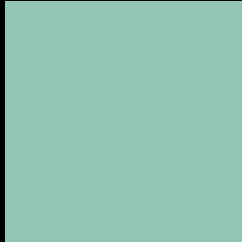
Large Text (above 18pt) WCAG AA × Fail

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 40.5989, 49.6174, 50.6173 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 40.5989, 49.6174, 50.6173

Background



This preview shows how black text looks on a background with the XYZ color 40.5989, 49.6174, 50.6173.



This preview shows how white text looks on a background with the XYZ color 40.5989, 49.6174,

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

40.5989, 49.6174, 50.6173

Protanopia

47.1912, 49.5113, 47.1138

Deuteranopia

50.0453, 49.0405, 51.6278



Tritanopia

43.9727, 49.6626, 66.9427

Trichromacy



Original Color

40.5989, 49.6174, 50.6173

Protanomaly

44.3814, 49.3086, 48.2527

Deuteranomaly

46.0100, 48.8095, 51.2522

Tritanomaly

42.6217, 49.4331, 60.7212

Monochromacy



Original Color

40.5989, 49.6174, 50.6173

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.4730, 47.3119, 50.6096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5989, 49.6174, 50.6173 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(149, 197, 180)` looks like.

```
.text, #text, p{  
    color:rgb(149, 197, 180)  
}
```

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(149, 197, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 197, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.5989, 49.6174, 50.6173 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(149, 197, 180) }
```


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

```
.border{ border-color:rgb(149, 197, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 197, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 197, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 197, 180);  
box-shadow:4px 4px 4px 4px rgb(149, 197,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5989, 49.6174, 50.6173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 197, 180) }
```

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

```
.background{ background-color: rgb(149,  
197, 180) }
```

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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