

Converting Colors

XYZ(40.6494, 49.9852, 50.6874)

Have a look what the booklet for
XYZ(40.6494, 49.9852, 50.6874)
contains.

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Color

**XYZ(40.6450, 49.9794,
50.6848)**

Conversions

Conversions Part 1

Format	Color
Hex	94C6B4
RGB	148, 198, 180
RGB Percent	58%, 78%, 71%
CMY	0.4196, 0.2235, 0.2941
CMYK	0.25, 0.00, 0.09, 0.22
HSL	158°, 30%, 68%
HSV	158°, 25%, 78%
XYZ	40.6450, 49.9794, 50.6848
YIQ	180.9980, -24.0220, -16.1980

Conversions

Conversions Part 2

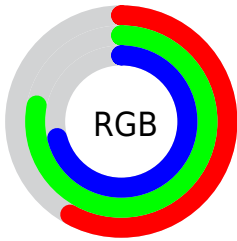
Format	Color
RYB	148, 178, 198
Decimal	9750196
CIELab	76.06, -20.10, 3.72
CIELCh	76, 20.439, 169.522
Yxy	49.9794, 0.2876, 0.3537
Android (android.graphics.Color)	4287940276 (0xFF94C6B4)
YUV	180.9980, -0.4920, -28.9392
Hunter-Lab	70.6961, -21.0940, 6.9800

Details

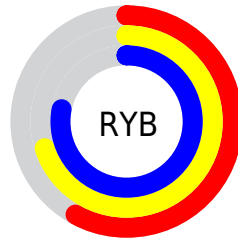
The XYZ color **40.6450, 49.9794, 50.6848** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7632, 35.9399, 40.8670**, and the grayscale version is **43.9329, 46.2208, 50.3345**.

A 20% lighter version of the original color is **75.5289, 90.2726, 92.8004**, and **18.6279, 23.9656, 23.7227** is the 20% darker color. If you saturate the color by 10%, you get **36.6579, 48.0071, 46.8048**, and if you desaturate by 10%, it is **45.2849, 52.2866, 54.7924**.

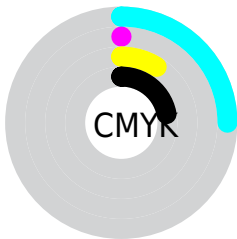
Distribution



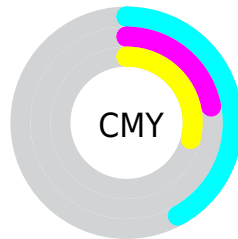
- Red (58%)
- Green (78%)
- Blue (71%)



- Red (58%)
- Yellow (70%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)





- Cyan (42%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6450, 49.9794, 50.6848 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 40.6450, 49.9794, 50.6848 by changing the saturation by 10% instead.


 40.6450, 49.9794,
50.6848


 40.6450, 49.9794,
50.6848


339.9227,
386.5854, 406.1495

 28.2282, 35.3970,
35.5828


 75.4228, 90.1444,
92.5954

 18.6391, 23.9689,
23.8250


 98.5146, 116.4957,
120.2411

 11.5123, 15.3105,
14.9929


125.8954,
147.5389, 152.9052

 6.4823, 9.0376,
8.6678

157.9306,
183.6582, 191.0061

 3.1839, 4.7657,
4.4313

194.9856,
225.2382, 234.9625

 1.2518, 2.1105,
1.8648

237.4257,

 0.1467, 0.6705,

272.6631, 285.1928

0.4702

285.6163,
326.3173, 342.1156

■ 0.0000, 0.0000,
0.0000

■ 40.6450, 49.9794,
50.6848

■ 40.6450, 49.9794,
50.6848

■ 36.6579, 48.0071,
46.8048

■ 45.2849, 52.2866,
54.7924

■ 33.2877, 46.3472,
43.1448

■ 50.6029, 54.9377,
59.1286

■ 30.5012, 44.9841,
39.7013

■ 56.6281, 57.9489,
63.6985

■ 28.2606, 43.8982,
36.4694

■ 63.3865, 61.3336,
68.5061

■ 26.5230, 43.0676,
33.4440

■ 70.9029, 65.1044,
73.5552

■ 25.2392, 42.4669,
30.6197

■ 74.7239, 66.9656,
78.6399

■ 24.3487, 42.0651,
27.9903

■ 75.7044, 67.3578,
83.8029

■ 24.0073, 41.9150,
26.8069

■ 76.7258, 67.7664,
89.1816

■ 77.7886, 68.1915,
94.7784

Harmonies

Analogous

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



42.1360, 49.9794, 41.8808



40.6450, 49.9794, 50.6848



40.9156, 49.9794, 61.7513

Triad

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



40.6450, 49.9794, 50.6848



49.9995, 49.9794, 76.7361



52.4303, 49.9794, 39.9427

Complementary

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



40.6450, 49.9794, 50.6848



40.7632, 35.9399, 40.8670

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.



54.7640, 49.9794, 47.6915



40.6450, 49.9794, 50.6848



53.3094, 49.9794, 69.2390

Square

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



40.6450, 49.9794, 50.6848



46.1815, 49.9794, 77.8202



55.0941, 49.9794, 58.3324



48.8514, 49.9794, 36.2535

Rectangle

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



40.6450, 49.9794, 50.6848



42.0634, 49.9794, 68.9243



55.0941, 49.9794, 58.3324



53.3944, 49.9794, 42.1066

Sweetspot

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



40.6464, 49.9815, 50.6859



86.7789, 95.8701, 102.4579



41.3368, 50.6716, 35.6194



18.2610, 20.3639, 21.6774



0.0000, 0.0000, 0.0000



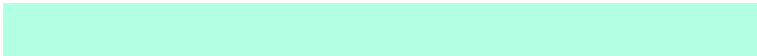
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6464, 49.9815, 50.6859



68.1634, 86.6156, 86.1304



41.1109, 47.7823, 60.4847



10.7784, 12.0002, 12.7830



15.6540, 27.2740, 17.6542



0.7750, 1.3049, 1.0136

Inverse Universe

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



40.7632, 35.9399, 40.8670



68.4058, 57.7584, 65.9627



40.3014, 37.4770, 33.1272



10.7890, 10.6990, 11.8723



15.9284, 8.1209, 4.8327



0.7888, 0.3984, 0.4111

Previews

White Background



This preview shows how the XYZ color 40.6450, 49.9794, 50.6848 looks on a white background.

Color Contrast Check

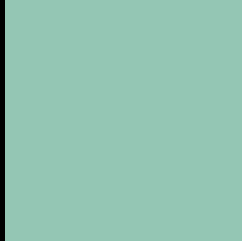
Large Text (above 18pt) WCAG AA × Fail

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 40.6450, 49.9794, 50.6848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

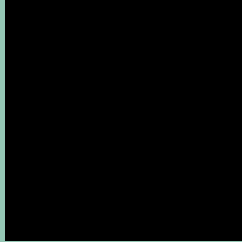
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6450, 49.9794, 50.6848

Background



This preview shows how black text looks on a background with the XYZ color 40.6450, 49.9794, 50.6848.



This preview shows how white text looks on a background with the XYZ color 40.6450, 49.9794,

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

40.6450, 49.9794, 50.6848

Protanopia

47.1912, 49.5113, 47.1138

Deuteranopia

50.6292, 49.6303, 52.2585



Tritanopia

44.1268, 50.0570, 67.6578

Trichromacy



Original Color

40.6450, 49.9794, 50.6848

Protanomaly

44.3814, 49.3086, 48.2527

Deuteranomaly

46.3252, 49.2738, 51.8689

Tritanomaly

42.6570, 49.7828, 60.7869

Monochromacy



Original Color

40.6450, 49.9794, 50.6848

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 40.6450, 49.9794, 50.6848 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, 198, 180)` looks like.

```
.text, #text, p{  
    color:rgb(148, 198, 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(148, 198, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 198, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.6450, 49.9794, 50.6848 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, 198, 180) }
```


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

```
.border{ border-color:rgb(148, 198, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 198, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 198, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 198, 180);  
box-shadow:4px 4px 4px 4px rgb(148, 198,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6450, 49.9794, 50.6848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 198, 180) }
```

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

```
.background{ background-color: rgb(148,  
198, 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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