

Converting Colors

XYZ(40.8381, 49.1045, 56.8019)

Have a look what the booklet for
XYZ(40.8381, 49.1045, 56.8019)
contains.

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Color

**XYZ(40.9980, 49.3524,
56.6554)**

Conversions

Conversions Part 1

Format	Color
Hex	92C4BF
RGB	146, 196, 191
RGB Percent	57%, 77%, 75%
CMY	0.4274, 0.2314, 0.2510
CMYK	0.26, 0.00, 0.03, 0.23
HSL	174°, 30%, 67%
HSV	174°, 26%, 77%
XYZ	40.9980, 49.3524, 56.6554
YIQ	180.4800, -28.1950, -12.1550

Conversions

Conversions Part 2

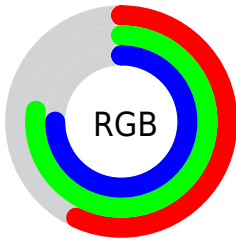
Format	Color
RYB	146, 172, 196
Decimal	9618623
CIELab	75.67, -17.34, -2.81
CIElCh	76, 17.571, 189.208
Yxy	49.3524, 0.2789, 0.3357
Android (android.graphics.Color)	4287808703 (0xFF92C4BF)
YUV	180.4800, 5.1864, -30.2390
Hunter-Lab	70.2513, -18.7687, 1.3604

Details

The XYZ color **40.9980, 49.3524, 56.6554** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6315, 34.5294, 33.9090**, and the grayscale version is **43.6254, 45.8973, 49.9822**.

A 20% lighter version of the original color is **76.0012, 89.3835, 101.2427**, and **18.8765, 23.5607, 27.5975** is the 20% darker color. If you saturate the color by 10%, you get **37.5941, 47.6237, 55.3781**, and if you desaturate by 10%, it is **45.0050, 51.3942, 57.9781**.

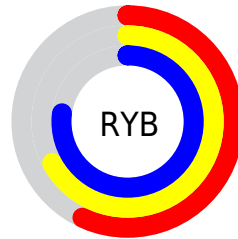
Distribution



Red (57%)

Green (77%)

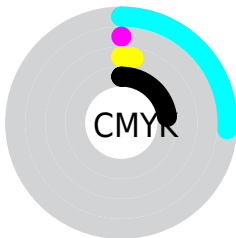
Blue (75%)



Red (57%)

Yellow (67%)

Blue (77%)

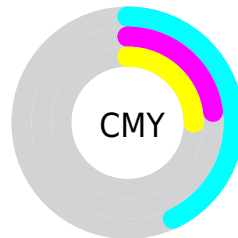


Cyan (26%)

Magenta (0%)

Yellow (3%)

Black (23%)



Cyan (43%)


Magenta (23%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9980, 49.3524, 56.6554 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 40.9980, 49.3524, 56.6554 by changing the saturation by 10% instead.


 40.9980, 49.3524,
56.6554


 40.9980, 49.3524,
56.6554


341.3750,
384.1280, 429.6143

 28.5052, 34.8991,
40.3211

 75.9556, 89.2146,
101.4575

 18.8492, 23.5852,
27.4733

 99.1511, 115.3923,
130.7625

 11.6647, 15.0262,
17.6934


126.6448,
146.2470, 165.2280

 6.5864, 8.8378,
10.5630

158.8022,
182.1630, 205.2728

 3.2488, 4.6355,
5.6633

195.9885,
223.5247, 251.3152

 1.2867, 2.0350,
2.5760

238.5692,

 0.1732, 0.6277,

270.7165, 303.7740

0.8800

286.9096,
324.1228, 363.0675

■ 0.0000, 0.0000,
0.0000

■ 40.9980, 49.3524,
56.6554

■ 40.9980, 49.3524,
56.6554

■ 37.5941, 47.6237,
55.3781

■ 45.0050, 51.3942,
57.9781

■ 34.7586, 46.1863,
54.1414

■ 49.6391, 53.7578,
59.3443

■ 32.4596, 45.0253,
52.9447

■ 54.9283, 56.4587,
60.7563

■ 30.6606, 44.1217,
51.7864

■ 60.8974, 59.5098,
62.2154

■ 29.3205, 43.4542,
50.6644

■ 67.5703, 62.9233,
63.7227

■ 28.3913, 42.9983,
49.5764

■ 71.7325, 65.0422,
65.1279

■ 27.8142, 42.7236,
48.5196

■ 71.9673, 65.1362,
66.3648

■ 27.6164, 42.6318,
48.0527

■ 72.2052, 65.2313,
67.6172

■ 72.4460, 65.3276,
68.8853

Harmonies

Analogous

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



41.2976, 49.3524, 47.6222



40.9980, 49.3524, 56.6554



42.2242, 49.3524, 65.8801

Triad

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



40.9980, 49.3524, 56.6554



50.9760, 49.3524, 68.8539



49.1646, 49.3524, 38.6627

Complementary

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



40.9980, 49.3524, 56.6554



38.6315, 34.5294, 33.9090

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.



51.9259, 49.3524, 43.1849



40.9980, 49.3524, 56.6554



53.0048, 49.3524, 60.3527

Square

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



40.9980, 49.3524, 56.6554



47.9164, 49.3524, 73.4397



53.3603, 49.3524, 50.9194



45.9138, 49.3524, 37.9158

Rectangle

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



40.9980, 49.3524, 56.6554



43.7768, 49.3524, 70.6488



53.3603, 49.3524, 50.9194



50.1850, 49.3524, 39.7645

Sweetspot

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



40.9994, 49.3544, 56.6565



87.6121, 96.2034, 106.8458



37.8475, 48.2165, 34.5072



18.4719, 20.4483, 22.7880



0.0000, 0.0000, 0.0000



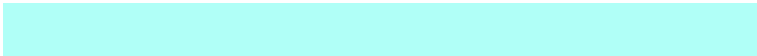
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9994, 49.3544, 56.6565



70.4558, 87.4653, 101.2389



37.5086, 41.4767, 58.2556



10.3237, 11.4105, 12.7079



17.7621, 27.3989, 30.9702



0.7803, 1.1889, 1.4055

Inverse Universe

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



38.6315, 34.5294, 33.9090



65.3924, 55.7458, 52.5830



41.4402, 40.7832, 32.8830



10.1132, 10.0939, 10.6868



14.7216, 7.5784, 1.1799



0.6502, 0.3331, 0.1253

Previews

White Background



This preview shows how the XYZ color 40.9980, 49.3524, 56.6554 looks on a white background.

Color Contrast Check

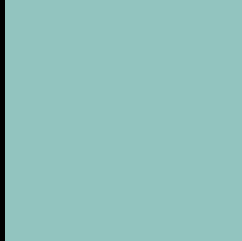
Large Text (above 18pt) WCAG AA × Fail

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 40.9980, 49.3524, 56.6554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

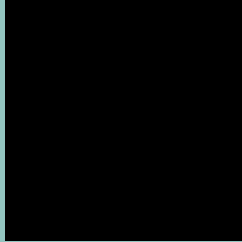
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9980, 49.3524, 56.6554

Background



This preview shows how black text looks on a background with the XYZ color 40.9980, 49.3524, 56.6554.

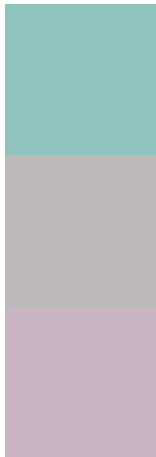


This preview shows how white text looks on a background with the XYZ color 40.9980, 49.3524,

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

40.9980, 49.3524, 56.6554

Protanopia

47.0922, 49.0195, 52.8786

Deuteranopia

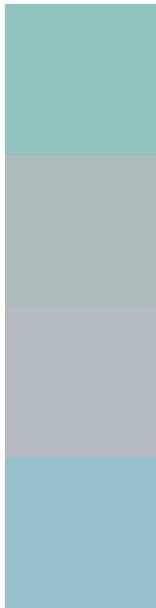
49.8783, 48.8169, 57.8327



Tritanopia

43.1563, 49.2274, 67.5489

Trichromacy



Original Color

40.9980, 49.3524, 56.6554

Protanomaly

44.4008, 48.8673, 54.1059

Deuteranomaly

46.0069, 48.6714, 57.4218

Tritanomaly

42.3469, 49.2374, 63.1490

Monochromacy



Original Color

40.9980, 49.3524, 56.6554

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.3591, 46.9033, 52.1681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9980, 49.3524, 56.6554 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(146, 196, 191)` looks like.

```
.text, #text, p{  
    color:rgb(146, 196, 191)  
}
```

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(146, 196, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 196, 191) }
```

Border

The CSS property to change the border of an element to XYZ 40.9980, 49.3524, 56.6554 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(146, 196, 191) }
```


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

```
.border{ border-color:rgb(146, 196, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 196, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 196, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 196, 191);  
box-shadow:4px 4px 4px 4px rgb(146, 196,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9980, 49.3524, 56.6554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 196, 191) }
```

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

```
.background{ background-color: rgb(146,  
196, 191) }
```

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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