

Converting Colors

XYZ(40.8905, 51.3964, 51.5319)

Have a look what the booklet for
XYZ(40.8905, 51.3964, 51.5319)
contains.

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Color

**XYZ(40.9626, 51.5065,
51.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	90CAB5
RGB	144, 202, 181
RGB Percent	56%, 79%, 71%
CMY	0.4353, 0.2078, 0.2902
CMYK	0.29, 0.00, 0.10, 0.21
HSL	158°, 35%, 68%
HSV	158°, 29%, 79%
XYZ	40.9626, 51.5065, 51.4989
YIQ	182.2640, -27.8270, -18.8270

Conversions

Conversions Part 2

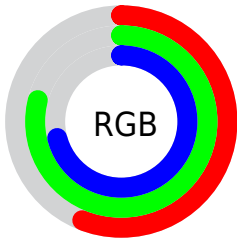
Format	Color
RYB	144, 179, 202
Decimal	9489077
CIELab	76.98, -23.12, 4.49
CIELCh	77, 23.553, 169.006
Yxy	51.5065, 0.2845, 0.3578
Android (android.graphics.Color)	4287679157 (0xFF90CAB5)
YUV	182.2640, -0.6232, -33.5575
Hunter-Lab	71.7680, -23.7127, 7.6926

Details

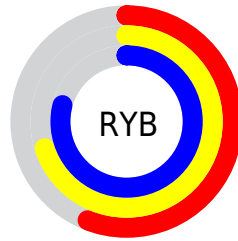
The XYZ color **40.9626, 51.5065, 51.4989** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1236, 35.2210, 40.2302**, and the grayscale version is **44.6226, 46.9464, 51.1246**.

A 20% lighter version of the original color is **74.5992, 89.7765, 93.5176**, and **18.8998, 25.0136, 24.2541** is the 20% darker color. If you saturate the color by 10%, you get **37.0145, 49.5570, 47.4993**, and if you desaturate by 10%, it is **45.5843, 53.8014, 55.7380**.

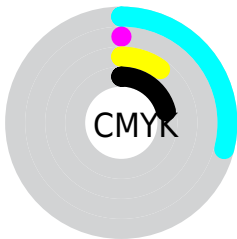
Distribution



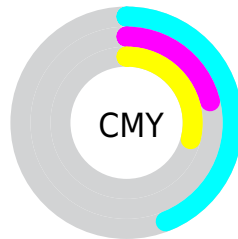
- Red (56%)
- Green (79%)
- Blue (71%)



- Red (56%)
- Yellow (70%)
- Blue (79%)



- Cyan (29%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)



- Cyan (44%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9626, 51.5065, 51.4989 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 40.9626, 51.5065, 51.4989 by changing the saturation by 10% instead.

■ 40.9626, 51.5065,
51.4989

■ 40.9626, 51.5065,
51.4989

341.2295,
392.5285, 409.4008

■ 28.4774, 36.6119,
36.2263

■ 75.9022, 92.4030,
93.8108

■ 18.8281, 24.9071,
24.3180

■ 99.0873, 119.1737,
121.6873

■ 11.6494, 16.0079,
15.3553

126.5697,
150.6719, 154.6021

■ 6.5759, 9.5297,
8.9197

158.7149,
187.2819, 192.9739

■ 3.2423, 5.0883,
4.5928

195.8881,
229.3881, 237.2211

■ 1.2832, 2.2992,
1.9558

238.4547,

■ 0.1706, 0.7733,

277.3751, 287.7623

0.5279

286.7800,
331.6270, 345.0160

■ 0.0000, 0.0000,
0.0000

■ 40.9626, 51.5065,
51.4989

■ 40.9626, 51.5065,
51.4989

■ 37.0145, 49.5570,
47.4993

■ 45.5843, 53.8014,
55.7380

■ 33.7014, 47.9290,
43.7309

■ 50.9070, 56.4518,
60.2176

■ 30.9873, 46.6054,
40.1899

■ 56.9619, 59.4748,
64.9432

■ 28.8307, 45.5649,
36.8712

■ 63.7768, 62.8850,
69.9190

■ 27.1846, 44.7832,
33.7692

■ 71.3782, 66.6957,
75.1493

■ 25.9938, 44.2321,
30.8777

■ 75.9368, 68.9330,
80.4575

■ 25.1698, 43.8660,
28.1893

■ 76.9558, 69.3406,
85.8232

■ 25.0745, 43.8241,
27.8572

■ 78.0180, 69.7655,
91.4168

■ 79.1240, 70.2079,
97.2410

Harmonies

Analogous

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



42.7259, 51.5065, 41.3802



40.9626, 51.5065, 51.4989



41.2404, 51.5065, 64.5226

Triad

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



40.9626, 51.5065, 51.4989



51.8202, 51.5065, 82.8479



54.8379, 51.5065, 39.4181

Complementary

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



40.9626, 51.5065, 51.4989



41.1236, 35.2210, 40.2302

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.



57.5772, 51.5065, 48.4113



40.9626, 51.5065, 51.4989



55.7627, 51.5065, 73.9085

Square

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



40.9626, 51.5065, 51.4989



47.3279, 51.5065, 84.0127



57.9256, 51.5065, 60.9289



50.6198, 51.5065, 35.1493

Rectangle

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



40.9626, 51.5065, 51.4989



42.5504, 51.5065, 73.1216



57.9256, 51.5065, 60.9289



55.9729, 51.5065, 41.9190

Sweetspot

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



40.9640, 51.5086, 51.5001



85.7956, 95.3804, 101.6334



41.7288, 52.2848, 34.2790



18.0645, 20.2661, 21.5093



0.0000, 0.0000, 0.0000



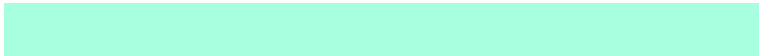
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9640, 51.5086, 51.5001



65.3736, 85.2383, 83.2485



41.5151, 48.8979, 63.1297



11.3642, 12.6554, 13.4751



16.1784, 28.2167, 18.1566



0.8702, 1.4699, 1.1240

Inverse Universe

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



41.1236, 35.2210, 40.2302



65.6876, 53.5320, 61.3267



40.5777, 36.9415, 31.3781



11.3774, 11.2797, 12.5220



16.4896, 8.4064, 5.0309



0.8868, 0.4481, 0.4499

Previews

White Background



This preview shows how the XYZ color 40.9626, 51.5065, 51.4989 looks on a white background.

Color Contrast Check

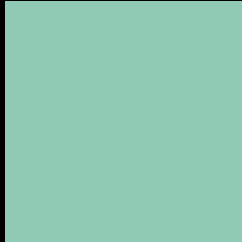
Large Text (above 18pt) WCAG AA × Fail

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 40.9626, 51.5065, 51.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

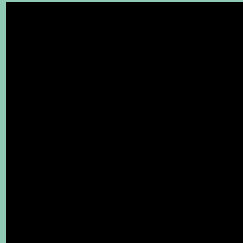
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9626, 51.5065, 51.4989

Background



This preview shows how black text looks on a background with the XYZ color 40.9626, 51.5065, 51.4989.

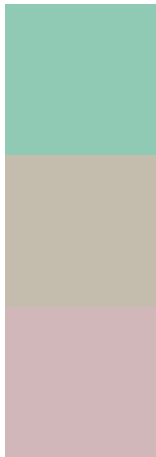


This preview shows how white text looks on a background with the XYZ color 40.9626, 51.5065,

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

40.9626, 51.5065, 51.4989

Protanopia

48.6025, 51.1869, 47.3628

Deuteranopia

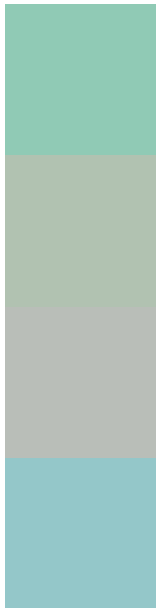
51.9849, 50.9251, 52.9886



Tritanopia

44.7390, 51.3159, 70.4978

Trichromacy



Original Color

40.9626, 51.5065, 51.4989

Protanomaly

45.3591, 51.1050, 49.0685

Deuteranomaly

47.0728, 50.6019, 52.6335

Tritanomaly

43.1788, 51.3598, 62.8960

Monochromacy



Original Color

40.9626, 51.5065, 51.4989

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.7895, 48.0974, 51.2845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9626, 51.5065, 51.4989 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(144, 202, 181)` looks like.

```
.text, #text, p{  
    color:rgb(144, 202, 181)  
}
```

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(144, 202, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 202, 181) }
```

Border

The CSS property to change the border of an element to XYZ 40.9626, 51.5065, 51.4989 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(144, 202, 181) }
```


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

```
.border{ border-color:rgb(144, 202, 181) }
```

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

Here you see how a box with a 4 pixel rgb(144, 202, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 202, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 202, 181);  
box-shadow:4px 4px 4px 4px rgb(144, 202,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9626, 51.5065, 51.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 202, 181) }
```

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

```
.background{ background-color: rgb(144,  
202, 181) }
```

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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