

Converting Colors

XYZ(40.7044, 50.4329, 53.0246)

Have a look what the booklet for
XYZ(40.7044, 50.4329, 53.0246)
contains.

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Color

**XYZ(40.5768, 50.2368,
52.9055)**

Conversions

Conversions Part 1

Format	Color
Hex	90C7B8
RGB	144, 199, 184
RGB Percent	56%, 78%, 72%
CMY	0.4353, 0.2196, 0.2784
CMYK	0.28, 0.00, 0.08, 0.22
HSL	164°, 33%, 67%
HSV	164°, 28%, 78%
XYZ	40.5768, 50.2368, 52.9055
YIQ	180.8450, -27.9650, -16.3250

Conversions

Conversions Part 2

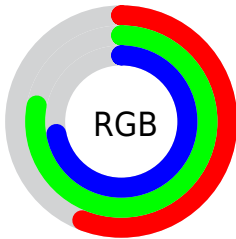
Format	Color
RYB	144, 176, 199
Decimal	9488312
CIELab	76.21, -20.99, 1.76
CIELCh	76, 21.062, 175.214
Yxy	50.2368, 0.2823, 0.3495
Android (android.graphics.Color)	4287678392 (0xFF90C7B8)
YUV	180.8450, 1.5554, -32.3131
Hunter-Lab	70.8779, -21.8472, 5.3586

Details

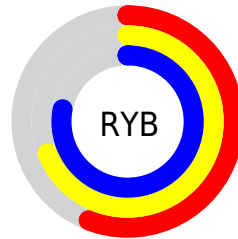
The XYZ color **40.5768, 50.2368, 52.9055** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7862, 34.5933, 37.3832**, and the grayscale version is **43.8411, 46.1242, 50.2293**.

A 20% lighter version of the original color is **75.0414, 89.9534, 95.8457**, and **18.6358, 24.1648, 25.1548** is the 20% darker color. If you saturate the color by 10%, you get **36.8448, 48.3787, 49.8181**, and if you desaturate by 10%, it is **44.9461, 52.4236, 56.1388**.

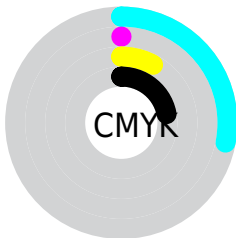
Distribution



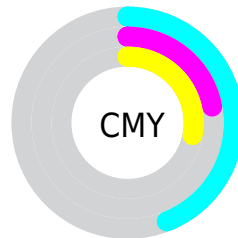
- Red (56%)
- Green (78%)
- Blue (72%)



- Red (56%)
- Yellow (69%)
- Blue (78%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)




- Cyan (44%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5768, 50.2368, 52.9055 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 40.5768, 50.2368, 52.9055 by changing the saturation by 10% instead.


 40.5768, 50.2368,
52.9055


 40.5768, 50.2368,
52.9055


339.6416,
387.5913, 414.9785

 28.1748, 35.6016,
37.3401


 75.3198, 90.5256,
95.9054

 18.5986, 24.1267,
25.1731


 98.3915, 116.9480,
124.1771

 11.4829, 15.4276,
15.9859


125.7505,
148.0683, 157.5212

 6.4623, 9.1200,
9.3599

157.7620,
184.2708, 196.3564

 3.1715, 4.8196,
4.8767

194.7916,
225.9400, 241.1012

 1.2451, 2.1418,
2.1176

237.2045,

 0.1415, 0.6880,

273.4602, 292.1741

0.6262

285.3660,
327.2158, 349.9937

■ 0.0000, 0.0000,
0.0000

■ 40.5768, 50.2368,
52.9055

■ 40.5768, 50.2368,
52.9055

■ 36.8448, 48.3787,
49.8181

■ 44.9461, 52.4236,
56.1388

■ 33.7136, 46.8265,
46.8705

■ 49.9786, 54.9483,
59.5174

■ 31.1491, 45.5640,
44.0609

■ 55.7037, 57.8276,
63.0448

■ 29.1122, 44.5710,
41.3861

■ 62.1480, 61.0750,
66.7235

■ 27.5586, 43.8248,
38.8428

■ 69.3364, 64.7034,
70.5558

■ 26.4366, 43.2987,
36.4271

■ 74.1328, 67.0960,
74.3963

■ 25.6718, 42.9544,
34.1343

■ 74.8488, 67.3824,
78.1669

■ 25.5138, 42.8844,
33.6091

■ 75.5883, 67.6782,
82.0609

■ 76.3514, 67.9834,
86.0794

Harmonies

Analogous

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



41.7818, 50.2368, 43.2107



40.5768, 50.2368, 52.9055



41.2051, 50.2368, 64.4926

Triad

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



40.5768, 50.2368, 52.9055



51.0557, 50.2368, 76.8186



52.2114, 50.2368, 38.7174

Complementary

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



40.5768, 50.2368, 52.9055



39.7862, 34.5933, 37.3832

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.



54.9505, 50.2368, 45.9513



40.5768, 50.2368, 52.9055



54.2579, 50.2368, 68.0627

Square

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



40.5768, 50.2368, 52.9055



47.1180, 50.2368, 79.3482



55.7192, 50.2368, 56.5333



48.3847, 50.2368, 35.7701

Rectangle

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



40.5768, 50.2368, 52.9055



42.5984, 50.2368, 71.6246



55.7192, 50.2368, 56.5333



53.2980, 50.2368, 40.6755

Sweetspot

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



40.5782, 50.2389, 52.9066



87.0560, 95.9809, 103.9171



39.8731, 50.2933, 33.9926



18.3310, 20.3919, 22.0461



0.0000, 0.0000, 0.0000



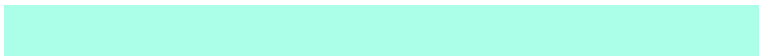
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5782, 50.2389, 52.9066



67.0941, 85.9900, 89.4406



39.6000, 45.6307, 60.7556



10.8185, 12.0163, 12.9943



16.4436, 27.5898, 21.8126



0.8079, 1.3181, 1.1869

Inverse Universe

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



39.7862, 34.5933, 37.3832



65.4901, 54.2154, 57.9358



40.4634, 37.9062, 31.5705



10.7507, 10.6837, 11.6707



15.6096, 7.9934, 3.1541



0.7705, 0.3910, 0.3145

Previews

White Background



This preview shows how the XYZ color 40.5768, 50.2368, 52.9055 looks on a white background.

Color Contrast Check

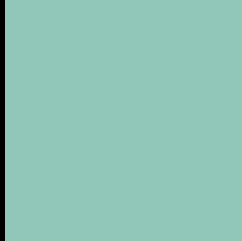
Large Text (above 18pt) WCAG AA × Fail

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 40.5768, 50.2368, 52.9055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

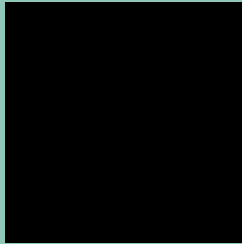
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5768, 50.2368, 52.9055

Background



This preview shows how black text looks on a background with the XYZ color 40.5768, 50.2368, 52.9055.

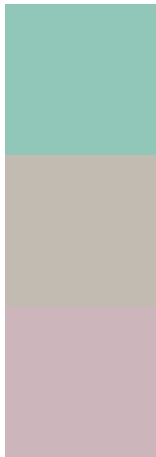


This preview shows how white text looks on a background with the XYZ color 40.5768, 50.2368,

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

40.5768, 50.2368, 52.9055

Protanopia

47.6985, 50.0524, 48.7421

Deuteranopia

50.7778, 49.6577, 54.4856



Tritanopia

43.8507, 50.2174, 69.0098

Trichromacy



Original Color

40.5768, 50.2368, 52.9055

Protanomaly

44.5482, 49.6709, 50.4195

Deuteranomaly

46.4813, 49.6216, 54.1418

Tritanomaly

42.4953, 49.9928, 62.6682

Monochromacy



Original Color

40.5768, 50.2368, 52.9055

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.5752, 47.6687, 51.2130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5768, 50.2368, 52.9055 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, 199, 184)` looks like.

```
.text, #text, p{  
    color:rgb(144, 199, 184)  
}
```

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, 199, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 199, 184) }
```

Border

The CSS property to change the border of an element to XYZ 40.5768, 50.2368, 52.9055 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, 199, 184) }
```


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

```
.border{ border-color:rgb(144, 199, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 199, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 199, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 199, 184);  
box-shadow:4px 4px 4px 4px rgb(144, 199,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5768, 50.2368, 52.9055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 199, 184) }
```

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

```
.background{ background-color: rgb(144,  
199, 184) }
```

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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