

Converting Colors

XYZ(42.1405, 52.3506, 50.4196)

Have a look what the booklet for
XYZ(42.1405, 52.3506, 50.4196)
contains.

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Color

**XYZ(42.2551, 52.5459,
50.5631)**

Conversions

Conversions Part 1

Format	Color
Hex	97CBB3
RGB	151, 203, 179
RGB Percent	59%, 80%, 70%
CMY	0.4078, 0.2039, 0.2980
CMYK	0.26, 0.00, 0.12, 0.20
HSL	152°, 33%, 69%
HSV	152°, 26%, 80%
XYZ	42.2551, 52.5459, 50.5631
YIQ	184.7160, -23.2880, -18.4880

Conversions

Conversions Part 2

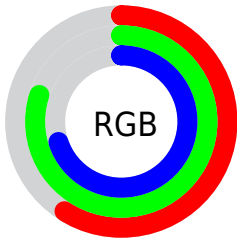
Format	Color
RYB	151, 185, 203
Decimal	9948083
CIELab	77.61, -21.87, 6.51
CIELCh	78, 22.816, 163.415
Yxy	52.5459, 0.2907, 0.3615
Android (android.graphics.Color)	4288138163 (0xFF97CBB3)
YUV	184.7160, -2.8180, -29.5689
Hunter-Lab	72.4886, -22.8036, 9.3853

Details

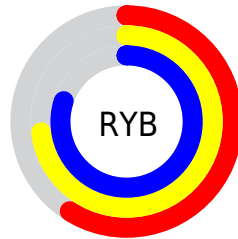
The XYZ color **42.2551, 52.5459, 50.5631** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.4349, 37.9261, 45.5908**, and the grayscale version is **45.9819, 48.3765, 52.6820**.

A 20% lighter version of the original color is **76.2090, 90.6400, 92.0759**, and **19.6589, 25.6539, 23.6542** is the 20% darker color. If you saturate the color by 10%, you get **37.8917, 50.4037, 45.5795**, and if you desaturate by 10%, it is **47.3346, 55.0526, 55.9186**.

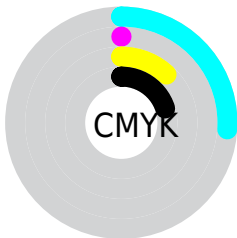
Distribution



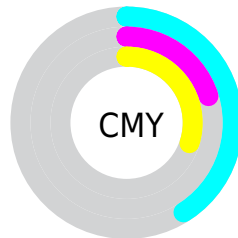
- Red (59%)
- Green (80%)
- Blue (70%)



- Red (59%)
- Yellow (73%)
- Blue (80%)



- Cyan (26%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)





- Cyan (41%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2551, 52.5459, 50.5631 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 42.2551, 52.5459, 50.5631 by changing the saturation by 10% instead.

 42.2551, 52.5459,
50.5631


 42.2551, 52.5459,
50.5631


346.5130,
396.5405, 405.6619

 29.4931, 37.4404,
35.4867


 77.8483, 93.9358,
92.4135

 19.6003, 25.5486,
23.7515


 101.4102,
120.9890, 120.0246

 12.2114, 16.4863,
14.9389


129.3028,
152.7936, 152.6510

 6.9610, 9.8689,
8.6304

161.8913,
189.7339, 190.7113

 3.4839, 5.3121,
4.4074

199.5413,
232.1943, 234.6240

 1.4145, 2.4315,
1.8514

242.6180,

 0.2665, 0.8420,

280.5593, 284.8077

0.4615

291.4868,
335.2132, 341.6808

■ 0.0000, 0.0000,
0.0000

■ 42.2551, 52.5459,
50.5631

■ 42.2551, 52.5459,
50.5631

■ 37.8917, 50.4037,
45.5795

■ 47.3346, 55.0526,
55.9186

■ 34.2054, 48.6019,
40.9561

■ 53.1579, 57.9338,
61.6505

■ 31.1603, 47.1234,
36.6854

■ 59.7564, 61.2069,
67.7676

■ 28.7149, 45.9472,
32.7585

■ 67.1587, 64.8865,
74.2773

■ 26.8230, 45.0494,
29.1659

■ 75.3916, 68.9863,
81.1868

■ 25.4308, 44.4026,
25.8975

■ 77.6244, 69.9849,
88.1823

■ 24.4722, 43.9729,
22.9423

■ 79.0161, 70.5415,
95.5109

■ 24.1337, 43.8246,
21.7411

■ 80.4802, 71.1272,
103.2207

■ 80.6469, 71.1939,
104.0990

Harmonies

Analogous

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



44.3435, 52.5459, 41.3354



42.2551, 52.5459, 50.5631



42.1467, 52.5459, 63.0300

Triad

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



42.2551, 52.5459, 50.5631



51.9350, 52.5459, 84.2117



56.3542, 52.5459, 42.1042

Complementary

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



42.2551, 52.5459, 50.5631



43.4349, 37.9261, 45.5908

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.



58.6466, 52.5459, 51.7664



42.2551, 52.5459, 50.5631



55.9958, 52.5459, 76.7119

Square

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



42.2551, 52.5459, 50.5631



47.5637, 52.5459, 83.7630



58.5117, 52.5459, 64.4230



52.4010, 52.5459, 36.9662

Rectangle

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



42.2551, 52.5459, 50.5631



43.1996, 52.5459, 71.6441



58.5117, 52.5459, 64.4230



57.3547, 52.5459, 44.8638

Sweetspot

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



42.2566, 52.5481, 50.5643



86.4598, 95.7425, 100.7776



44.6827, 54.0935, 37.3648



18.1805, 20.3317, 21.2537



0.0000, 0.0000, 0.0000



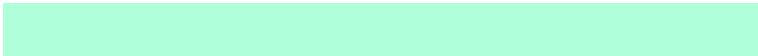
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2566, 52.5481, 50.5643



66.3754, 85.8331, 79.7514



44.4926, 52.7911, 64.3473



11.3164, 12.6363, 13.2234



15.4043, 27.9070, 14.0800



0.8328, 1.4549, 0.9269

Inverse Universe

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



43.4349, 37.9261, 45.5908



68.6944, 57.0666, 69.9710



41.5637, 37.6273, 34.3509



11.4241, 11.2984, 12.7680



16.9956, 8.6088, 7.6957



0.9150, 0.4594, 0.5980

Previews

White Background



This preview shows how the XYZ color 42.2551, 52.5459, 50.5631 looks on a white background.

Color Contrast Check

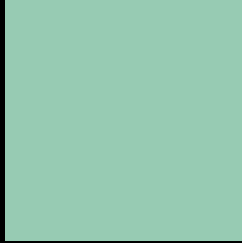
Large Text (above 18pt) WCAG AA × Fail

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 42.2551, 52.5459, 50.5631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

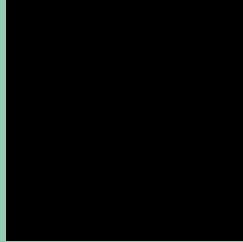
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2551, 52.5459, 50.5631

Background



This preview shows how black text looks on a background with the XYZ color 42.2551, 52.5459, 50.5631.



This preview shows how white text looks on a background with the XYZ color 42.2551, 52.5459,

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

42.2551, 52.5459, 50.5631

Protanopia

49.4130, 51.9476, 46.4523

Deuteranopia

53.3368, 52.2630, 52.0764



Tritanopia

46.4322, 52.5123, 71.3070

Trichromacy



Original Color

42.2551, 52.5459, 50.5631

Protanomaly

46.5444, 52.0704, 48.1549

Deuteranomaly

48.5283, 52.0238, 51.7399

Tritanomaly

44.7145, 52.4942, 63.0340

Monochromacy



Original Color

42.2551, 52.5459, 50.5631

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.6305, 50.0024, 52.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2551, 52.5459, 50.5631 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(151, 203, 179)` looks like.

```
.text, #text, p{  
    color:rgb(151, 203, 179)  
}
```

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(151, 203, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 203, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.2551, 52.5459, 50.5631 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(151, 203, 179) }
```


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

```
.border{ border-color:rgb(151, 203, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 203, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 203, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 203, 179); box-shadow:4px 4px 4px 4px rgb(151, 203, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2551, 52.5459, 50.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 203, 179) }
```

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

```
.background{ background-color: rgb(151,  
203, 179) }
```

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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