

Converting Colors

XYZ(42.8076, 51.7036, 51.1955)

Have a look what the booklet for
XYZ(42.8076, 51.7036, 51.1955)
contains.

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Color

**XYZ(42.8994, 51.8128,
51.4559)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC8B5
RGB	157, 200, 181
RGB Percent	62%, 78%, 71%
CMY	0.3843, 0.2157, 0.2902
CMYK	0.22, 0.00, 0.10, 0.22
HSL	153°, 28%, 70%
HSV	153°, 22%, 78%
XYZ	42.8994, 51.8128, 51.4559
YIQ	184.9770, -19.5290, -15.0250

Conversions

Conversions Part 2

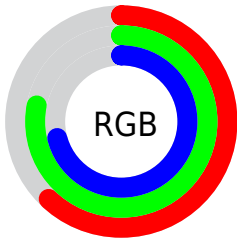
Format	Color
RYB	157, 185, 200
Decimal	10340533
CIELab	77.17, -18.05, 4.85
CIELCh	77, 18.693, 164.955
Yxy	51.8128, 0.2935, 0.3545
Android (android.graphics.Color)	4288530613 (0xFF9DC8B5)
YUV	184.9770, -1.9607, -24.5358
Hunter-Lab	71.9811, -19.5843, 8.0032

Details

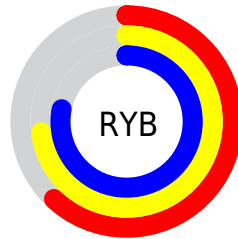
The XYZ color **42.8994, 51.8128, 51.4559** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7147, 39.5292, 46.4024**, and the grayscale version is **46.1208, 48.5227, 52.8412**.

A 20% lighter version of the original color is **78.1974, 91.6315, 93.6860**, and **20.0009, 25.1195, 24.2165** is the 20% darker color. If you saturate the color by 10%, you get **38.4341, 49.6137, 46.6628**, and if you desaturate by 10%, it is **48.0639, 54.3685, 56.5843**.

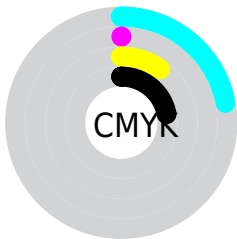
Distribution



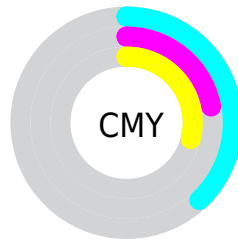
- Red (62%)
- Green (78%)
- Blue (71%)



- Red (62%)
- Yellow (73%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8994, 51.8128, 51.4559 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 42.8994, 51.8128, 51.4559 by changing the saturation by 10% instead.


 42.8994, 51.8128,
51.4559


 42.8994, 51.8128,
51.4559


349.1264,
393.7135, 409.2295

 30.0004, 36.8559,
36.1923


 78.8157, 92.8551,
93.7467

 19.9869, 25.0959,
24.2919


 102.5637,
119.7093, 121.6110

 12.4938, 16.1485,
15.3361


130.6586,
151.2980, 154.5126

 7.1555, 9.6293,
8.9064

163.4660,
188.0056, 192.8701

 3.6067, 5.1539,
4.5842

201.3511,
230.2166, 237.1020

 1.4821, 2.3378,
1.9510

244.6793,

 0.3136, 0.7936,

278.3153, 287.6268

0.5249

293.8160,
332.6861, 344.8631

■ 0.0000, 0.0000,
0.0000

■ 42.8994, 51.8128,
51.4559

■ 42.8994, 51.8128,
51.4559

■ 38.4341, 49.6137,
46.6628

■ 48.0639, 54.3685,
56.5843

■ 34.6315, 47.7484,
42.1945

■ 53.9533, 57.2897,
62.0512

■ 31.4585, 46.2012,
38.0447

■ 60.5971, 60.5929,
67.8645

■ 28.8768, 44.9526,
34.2060

■ 68.0219, 64.2917,
74.0303

■ 26.8444, 43.9810,
30.6702

■ 75.5120, 68.0171,
80.5203

■ 25.3126, 43.2615,
27.4289

■ 76.7508, 68.5127,
87.0437

■ 24.2242, 42.7647,
24.4729

■ 78.0530, 69.0335,
93.9007

■ 23.5589, 42.4719,
22.1756

■ 79.4194, 69.5801,
101.0961

■ 79.9452, 69.7904,
103.8651

Harmonies

Analogous

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



44.5457, 51.8128, 43.5943



42.8994, 51.8128, 51.4559



42.8969, 51.8128, 61.6520

Triad

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



42.8994, 51.8128, 51.4559



51.0426, 51.8128, 77.6625



54.2751, 51.8128, 43.6126

Complementary

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



42.8994, 51.8128, 51.4559



43.7147, 39.5292, 46.4024

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.



56.1937, 51.8128, 51.4839



42.8994, 51.8128, 51.4559



54.2670, 51.8128, 71.5319

Square

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



42.8994, 51.8128, 51.4559



47.4829, 51.8128, 77.6527



56.1907, 51.8128, 61.6836



51.0532, 51.8128, 39.4529

Rectangle

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



42.8994, 51.8128, 51.4559



43.8225, 51.8128, 68.4683



56.1907, 51.8128, 61.6836



55.1006, 51.8128, 45.8670

Sweetspot

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



42.9008, 51.8150, 51.4571



88.5738, 96.7850, 103.0145



44.7256, 53.0161, 39.7750



18.8137, 20.6442, 21.9151



0.0000, 0.0000, 0.0000



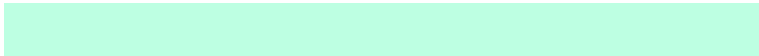
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9008, 51.8150, 51.4571



70.3586, 87.7751, 84.9715



44.4915, 51.6600, 62.2725



10.7411, 11.9853, 12.5870



15.0246, 27.0222, 14.3401



0.7474, 1.2939, 0.8686

Inverse Universe

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



43.7147, 39.5292, 46.4024



72.0277, 62.5881, 74.6125



42.3307, 39.5629, 37.3045



10.8253, 10.7135, 12.0634



16.3188, 8.2771, 6.8885



0.8090, 0.4064, 0.5173

Previews

White Background



This preview shows how the XYZ color 42.8994, 51.8128, 51.4559 looks on a white background.

Color Contrast Check

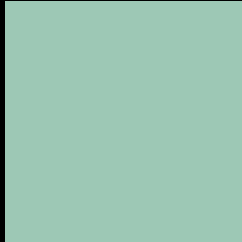
Large Text (above 18pt) WCAG AA × Fail

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 42.8994, 51.8128, 51.4559 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 42.8994, 51.8128, 51.4559

Background



This preview shows how black text looks on a background with the XYZ color 42.8994, 51.8128, 51.4559.



This preview shows how white text looks on a background with the XYZ color 42.8994, 51.8128,

51.4559.

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

42.8994, 51.8128, 51.4559

Protanopia

48.9614, 51.3607, 47.8905

Deuteranopia

52.3706, 51.4433, 52.5167



Tritanopia

46.6021, 51.9695, 69.2029

Trichromacy



Original Color

42.8994, 51.8128, 51.4559

Protanomaly

46.2972, 51.2593, 49.0489

Deuteranomaly

48.4466, 51.3222, 52.1525

Tritanomaly

45.0895, 51.6797, 62.2423

Monochromacy



Original Color

42.8994, 51.8128, 51.4559

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.7444, 49.4016, 52.5246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8994, 51.8128, 51.4559 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(157, 200, 181)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 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(157, 200, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 181) }
```

Border

The CSS property to change the border of an element to XYZ 42.8994, 51.8128, 51.4559 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(157, 200, 181) }
```


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

```
.border{ border-color:rgb(157, 200, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 200, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 200, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 200, 181);  
box-shadow:4px 4px 4px 4px rgb(157, 200,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8994, 51.8128, 51.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 200, 181) }
```

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

```
.background{ background-color: rgb(157,  
200, 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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