

Converting Colors

XYZ(42.1267, 51.8062, 49.5578)

Have a look what the booklet for
XYZ(42.1267, 51.8062, 49.5578)
contains.

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Color

**XYZ(42.1489, 51.8176,
49.3753)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC9B1
RGB	154, 201, 177
RGB Percent	60%, 79%, 69%
CMY	0.3961, 0.2117, 0.3059
CMYK	0.23, 0.00, 0.12, 0.21
HSL	149°, 30%, 70%
HSV	149°, 23%, 79%
XYZ	42.1489, 51.8176, 49.3753
YIQ	184.2110, -20.3080, -17.4280

Conversions

Conversions Part 2

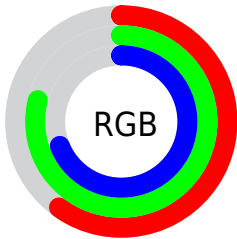
Format	Color
RYB	154, 186, 201
Decimal	10144177
CIELab	77.17, -20.31, 6.99
CIELCh	77, 21.482, 161.023
Yxy	51.8176, 0.2940, 0.3615
Android (android.graphics.Color)	4288334257 (0xFF9AC9B1)
YUV	184.2110, -3.5550, -26.4950
Hunter-Lab	71.9844, -21.4560, 9.7211

Details

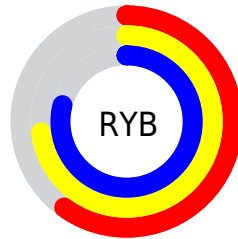
The XYZ color **42.1489, 51.8176, 49.3753** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6807, 38.7444, 47.2979**, and the grayscale version is **45.7048, 48.0850, 52.3646**.

A 20% lighter version of the original color is **76.7625, 90.9585, 90.6017**, and **19.5513, 25.1475, 22.8923** is the 20% darker color. If you saturate the color by 10%, you get **37.6542, 49.6157, 44.0241**, and if you desaturate by 10%, it is **47.3641, 54.3849, 55.1642**.

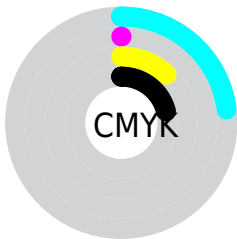
Distribution



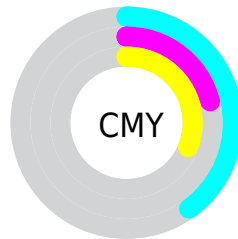
- Red (60%)
- Green (79%)
- Blue (69%)



- Red (60%)
- Yellow (73%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)




- Cyan (40%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1489, 51.8176, 49.3753 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 42.1489, 51.8176, 49.3753 by changing the saturation by 10% instead.

 42.1489, 51.8176,
49.3753


 42.1489, 51.8176,
49.3753


346.0809,
393.7320, 400.8828

 29.4095, 36.8597,
34.5496


 77.6887, 92.8622,
90.6354

 19.5367, 25.0989,
23.0354


 101.2198,
119.7177, 117.9068

 12.1650, 16.1507,
14.4141


129.0789,
151.3078, 150.1638

 6.9292, 9.6309,
8.2672

161.6312,
188.0170, 187.8251

 3.4638, 5.1549,
4.1762

199.2423,
230.2296, 231.3091

 1.4035, 2.3384,
1.7225

242.2773,

 0.2587, 0.7939,

278.3300, 281.0343

0.3761

291.1018,
332.7027, 337.4194

■ 0.0000, 0.0000,
0.0000

■ 42.1489, 51.8176,
49.3753

■ 42.1489, 51.8176,
49.3753

■ 37.6542, 49.6157,
44.0241

■ 47.3641, 54.3849,
55.1642

■ 33.8420, 47.7556,
39.0967

■ 53.3268, 57.3269,
61.3974

■ 30.6775, 46.2208,
34.5836

■ 60.0677, 60.6610,
68.0854

■ 28.1208, 44.9911,
30.4734

■ 67.6146, 64.4011,
75.2378

■ 26.1274, 44.0437,
26.7543

■ 75.9940, 68.5607,
82.8635

■ 24.6460, 43.3525,
23.4137

■ 77.6469, 69.2429,
90.6163

■ 23.6155, 42.8860,
20.4381

■ 79.2037, 69.8656,
98.8140

■ 23.1091, 42.6638,
18.6610

■ 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



44.2436, 51.8176, 41.0087



42.1489, 51.8176, 49.3753



41.8936, 51.8176, 60.8599

Triad

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



42.1489, 51.8176, 49.3753



50.7777, 51.8176, 81.6816



55.4577, 51.8176, 42.8299

Complementary

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



42.1489, 51.8176, 49.3753



43.6807, 38.7444, 47.2979

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.



57.4231, 51.8176, 52.2026



42.1489, 51.8176, 49.3753



54.6228, 51.8176, 75.2782

Square

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



42.1489, 51.8176, 49.3753



46.7254, 51.8176, 80.6460



57.1094, 51.8176, 64.1060



51.8662, 51.8176, 37.6087

Rectangle

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



42.1489, 51.8176, 49.3753



42.7839, 51.8176, 68.9085



57.1094, 51.8176, 64.1060



56.3392, 51.8176, 45.5406

Sweetspot

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



42.1503, 51.8198, 49.3765



87.3520, 96.1971, 101.0599



45.1463, 53.6072, 38.5404



18.5615, 20.5233, 21.4902



0.0000, 0.0000, 0.0000



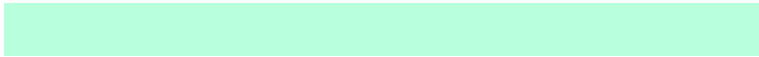
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1503, 51.8198, 49.3765



68.1570, 86.7512, 79.8521



44.6655, 52.8258, 62.6212



10.7101, 11.9729, 12.4238



14.5755, 26.8426, 11.9751



0.7267, 1.2856, 0.7596

Inverse Universe

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



43.6807, 38.7444, 47.2979



71.2239, 60.5456, 75.6855



41.5428, 37.8892, 36.0397



10.8561, 10.7258, 12.2256



16.7198, 8.4375, 9.0001



0.8282, 0.4141, 0.6185

Previews

White Background



This preview shows how the XYZ color 42.1489, 51.8176, 49.3753 looks on a white background.

Color Contrast Check

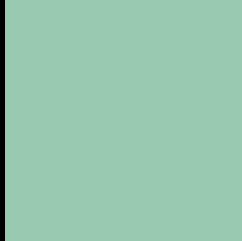
Large Text (above 18pt) WCAG AA × Fail

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 42.1489, 51.8176, 49.3753 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

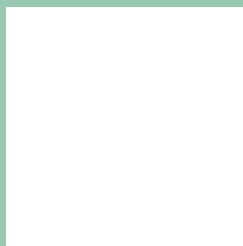
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1489, 51.8176, 49.3753

Background



This preview shows how black text looks on a background with the XYZ color 42.1489, 51.8176, 49.3753.



This preview shows how white text looks on a background with the XYZ color 42.1489, 51.8176,

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

42.1489, 51.8176, 49.3753

Protanopia

48.8370, 51.3412, 45.8639

Deuteranopia

52.6324, 51.6142, 50.9046



Tritanopia

46.3215, 51.8104, 69.8464

Trichromacy



Original Color

42.1489, 51.8176, 49.3753

Protanomaly

45.9042, 51.1021, 46.9795

Deuteranomaly

48.1375, 51.1986, 50.5252

Tritanomaly

44.6034, 51.7808, 61.6767

Monochromacy



Original Color

42.1489, 51.8176, 49.3753

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.9875, 49.0473, 50.8648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1489, 51.8176, 49.3753 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(154, 201, 177)` looks like.

```
.text, #text, p{  
    color:rgb(154, 201, 177)  
}
```

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(154, 201, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 201, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.1489, 51.8176, 49.3753 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(154, 201, 177) }
```


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

```
.border{ border-color:rgb(154, 201, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 201, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 201, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 201, 177);  
box-shadow:4px 4px 4px 4px rgb(154, 201,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1489, 51.8176, 49.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 201, 177) }
```

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

```
.background{ background-color: rgb(154,  
201, 177) }
```

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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