

Converting Colors

XYZ(42.9069, 50.2276, 51.9010)

Have a look what the booklet for
XYZ(42.9069, 50.2276, 51.9010)
contains.

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Color

**XYZ(42.8589, 50.0890,
51.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C3B6
RGB	162, 195, 182
RGB Percent	64%, 76%, 71%
CMY	0.3647, 0.2353, 0.2863
CMYK	0.17, 0.00, 0.07, 0.24
HSL	156°, 22%, 70%
HSV	156°, 17%, 76%
XYZ	42.8589, 50.0890, 51.6652
YIQ	183.6510, -15.4950, -11.0390

Conversions

Conversions Part 2

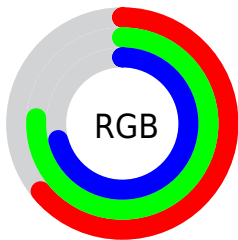
Format	Color
RYB	162, 183, 195
Decimal	10666934
CIELab	76.12, -13.67, 2.84
CIElCh	76, 13.961, 168.264
Yxy	50.0890, 0.2964, 0.3464
Android (android.graphics.Color)	4288857014 (0xFFA2C3B6)
YUV	183.6510, -0.8139, -18.9879
Hunter-Lab	70.7736, -15.7582, 6.2594

Details

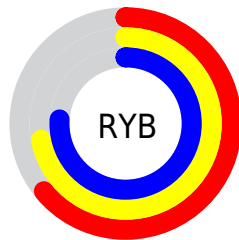
The XYZ color **42.8589, 50.0890, 51.6652** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1657, 40.5392, 46.1095**, and the grayscale version is **45.3791, 47.7423, 51.9914**.

A 20% lighter version of the original color is **78.8583, 90.5456, 94.2097**, and **19.9177, 23.9497, 24.3419** is the 20% darker color. If you saturate the color by 10%, you get **38.4286, 47.8957, 47.4267**, and if you desaturate by 10%, it is **47.9498, 52.6206, 56.1641**.

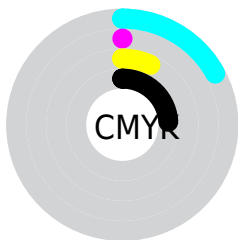
Distribution



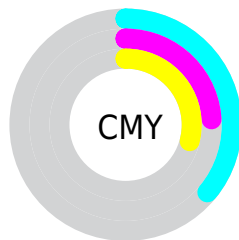
- Red (64%)
- Green (76%)
- Blue (71%)



- Red (64%)
- Yellow (72%)
- Blue (76%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)





- Cyan (36%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8589, 50.0890, 51.6652 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 42.8589, 50.0890, 51.6652 by changing the saturation by 10% instead.

 42.8589, 50.0890,
51.6652


 42.8589, 50.0890,
51.6652


348.9625,
387.0139, 410.0628

 29.9685, 35.4841,
36.3579


 78.7549, 90.3067,
94.0588

 19.9626, 24.0360,
24.4188


 102.4912,
116.6884, 121.9822

 12.4760, 15.3604,
15.4295


130.5735,
147.7644, 154.9481

 7.1432, 9.0727,
8.9714

163.3672,
183.9192, 193.3749

 3.5989, 4.7886,
4.6260

201.2376,
225.5371, 237.6813

 1.4778, 2.1238,
1.9747

244.5500,

 0.3107, 0.6779,

273.0026, 288.2857

0.5396

293.6699,
326.7001, 345.6067

■ 0.0000, 0.0000,
0.0000

■ 42.8589, 50.0890,
51.6652

■ 42.8589, 50.0890,
51.6652

■ 38.4286, 47.8957,
47.4267

■ 47.9498, 52.6206,
56.1641

■ 34.6259, 46.0197,
43.4405

■ 53.7243, 55.4980,
60.9250

■ 31.4210, 44.4469,
39.7023

■ 60.2092, 58.7365,
65.9535

■ 28.7800, 43.1600,
36.2069

■ 67.4288, 62.3485,
71.2541

■ 26.6655, 42.1399,
32.9485

■ 73.7296, 65.4815,
76.7529

■ 25.0353, 41.3648,
29.9213

■ 74.7735, 65.8990,
82.2500

■ 23.8402, 40.8095,
27.1187

■ 75.8648, 66.3356,
87.9968

■ 23.0140, 40.4399,
24.5335

■ 77.0041, 66.7913,
93.9965

■ 22.7964, 40.3442,
23.7796

■ 78.1921, 67.2665,
100.2521

Harmonies

Analogous

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



43.9584, 50.0890, 45.5141



42.8589, 50.0890, 51.6652



42.9970, 50.0890, 59.1706

Triad

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



42.8589, 50.0890, 51.6652



49.1992, 50.0890, 69.3667



51.0297, 50.0890, 44.4954

Complementary

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



42.8589, 50.0890, 51.6652



43.1657, 40.5392, 46.1095

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.



52.5376, 50.0890, 50.1545



42.8589, 50.0890, 51.6652



51.4544, 50.0890, 64.6830

Square

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



42.8589, 50.0890, 51.6652



46.5940, 50.0890, 69.8654



52.6958, 50.0890, 57.5162



48.6368, 50.0890, 41.6349

Rectangle

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



42.8589, 50.0890, 51.6652



43.7732, 50.0890, 63.9380



52.6958, 50.0890, 57.5162



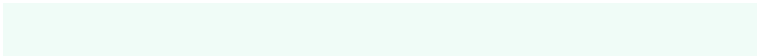
51.6606, 50.0890, 46.1084

Sweetspot

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



42.8603, 50.0911, 51.6663



87.6907, 95.1438, 102.1248



43.7625, 50.7782, 41.6778



19.0480, 20.7581, 22.2331



0.0000, 0.0000, 0.0000



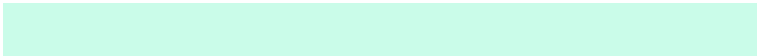
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8603, 50.0911, 51.6663



73.9430, 88.3127, 89.9085



43.5361, 49.1912, 58.8325



10.1950, 11.3591, 12.0302



14.8581, 26.2373, 15.6775



0.6751, 1.1469, 0.8518

Inverse Universe

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



43.1657, 40.5392, 46.1095



74.5843, 68.2679, 78.2497



42.5381, 41.2306, 39.8995



10.2339, 10.1422, 11.3221



15.5330, 7.9029, 5.4527



0.7051, 0.3550, 0.4142

Previews

White Background



This preview shows how the XYZ color 42.8589, 50.0890, 51.6652 looks on a white background.

Color Contrast Check

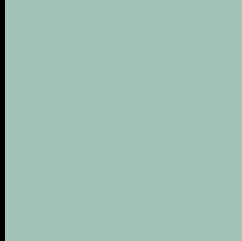
Large Text (above 18pt) WCAG AA × Fail

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 42.8589, 50.0890, 51.6652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

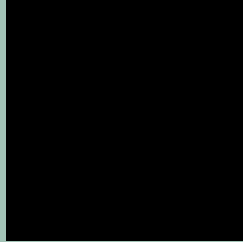
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8589, 50.0890, 51.6652

Background



This preview shows how black text looks on a background with the XYZ color 42.8589, 50.0890, 51.6652.



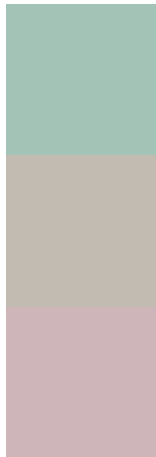
This preview shows how white text looks on a background with the XYZ color 42.8589, 50.0890,

51.6652.

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

42.8589, 50.0890, 51.6652

Protanopia

47.6985, 50.0524, 48.7421

Deuteranopia

50.7344, 49.6723, 52.8127



Tritanopia

45.6192, 49.8736, 66.2537

Trichromacy



Original Color

42.8589, 50.0890, 51.6652

Protanomaly

45.8415, 50.0267, 49.8878

Deuteranomaly

47.4458, 49.5257, 52.4061

Tritanomaly

44.5597, 49.7758, 60.6852

Monochromacy



Original Color

42.8589, 50.0890, 51.6652

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.4350, 48.6154, 51.8415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8589, 50.0890, 51.6652 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(162, 195, 182)` looks like.

```
.text, #text, p{  
    color:rgb(162, 195, 182)  
}
```

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(162, 195, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 195, 182) }
```

Border

The CSS property to change the border of an element to XYZ 42.8589, 50.0890, 51.6652 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(162, 195, 182) }
```


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

```
.border{ border-color:rgb(162, 195, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 195, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 195, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 195, 182);  
box-shadow:4px 4px 4px 4px rgb(162, 195,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8589, 50.0890, 51.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 195, 182) }
```

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

```
.background{ background-color: rgb(162,  
195, 182) }
```

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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