

Converting Colors

XYZ(41.8044, 51.9177, 43.8917)

Have a look what the booklet for
XYZ(41.8044, 51.9177, 43.8917)
contains.

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Color

**XYZ(41.6742, 51.6946,
43.8580)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC9A6
RGB	157, 201, 166
RGB Percent	62%, 79%, 65%
CMY	0.3843, 0.2117, 0.3490
CMYK	0.22, 0.00, 0.17, 0.21
HSL	132°, 29%, 70%
HSV	132°, 22%, 79%
XYZ	41.6742, 51.6946, 43.8580
YIQ	183.8540, -14.9890, -20.2130

Conversions

Conversions Part 2

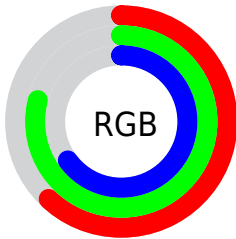
Format	Color
RYB	157, 194, 201
Decimal	10340774
CIELab	77.10, -21.43, 12.81
CIELCh	77, 24.969, 149.136
Yxy	51.6946, 0.3037, 0.3767
Android (android.graphics.Color)	4288530854 (0xFF9DC9A6)
YUV	183.8540, -8.8020, -23.5510
Hunter-Lab	71.8990, -22.3607, 14.1627

Details

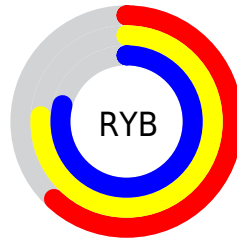
The XYZ color **41.6742, 51.6946, 43.8580** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.6606, 40.3384, 55.2509**, and the grayscale version is **45.5335, 47.9048, 52.1683**.

A 20% lighter version of the original color is **75.9625, 90.7375, 81.9171**, and **19.2967, 25.0856, 19.7446** is the 20% darker color. If you saturate the color by 10%, you get **36.6940, 49.2877, 36.4390**, and if you desaturate by 10%, it is **47.4848, 54.5114, 52.2700**.

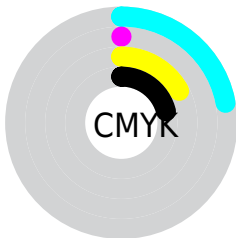
Distribution



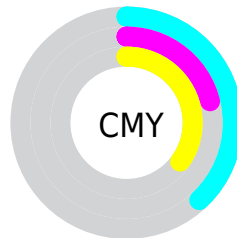
- Red (62%)
- Green (79%)
- Blue (65%)



- Red (62%)
- Yellow (76%)
- Blue (79%)



- Cyan (22%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)



- Cyan (38%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6742, 51.6946, 43.8580 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 41.6742, 51.6946, 43.8580 by changing the saturation by 10% instead.

■ 41.6742, 51.6946,
43.8580

■ 41.6742, 51.6946,
43.8580

344.1452,
393.2565, 378.1529

■ 29.0363, 36.7617,
30.2225

■ 76.9746, 92.6807,
82.3042

■ 19.2527, 25.0230,
19.7541

■ 100.3677,
119.5027, 107.9520

■ 11.9581, 16.0942,
12.0341

128.0766,
151.0565, 138.4410

■ 6.7871, 9.5909,
6.6441

160.4667,
187.7265, 174.1898

■ 3.3745, 5.1285,
3.1655

197.9032,
229.8971, 215.6168

■ 1.3547, 2.3229,
1.1797

240.7515,

■ 0.2236, 0.7858,

277.9527, 263.1406

0.0000

289.3771,
332.2777, 317.1798

0.0000, 0.0000,
0.0000

41.6742, 51.6946,
43.8580

41.6742, 51.6946,
43.8580

36.6940, 49.2877,
36.4390

47.4848, 54.5114,
52.2700

32.5017, 47.2653,
29.9730

54.1573, 57.7492,
61.7061

29.0576, 45.6091,
24.4223

61.7265, 61.4269,
72.2006

26.3165, 44.2967,
19.7453

70.2244, 65.5601,
83.7850

24.2286, 43.3033,
15.8975

78.7541, 69.6859,
96.4459

■ 22.7368, 42.6007,
12.8299

■ 80.1777, 70.2553,
103.9426

■ 21.7742, 42.1552,
10.4889

■ 21.2899, 41.9362,
9.0807

Harmonies

Analogous

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



44.8025, 51.6946, 36.3191



41.6742, 51.6946, 43.8580



40.5221, 51.6946, 55.8914

Triad

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



41.6742, 51.6946, 43.8580



48.9960, 51.6946, 86.8482



57.5888, 51.6946, 44.4417

Complementary

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



41.6742, 51.6946, 43.8580



45.6606, 40.3384, 55.2509

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.



58.8874, 51.6946, 56.6838



41.6742, 51.6946, 43.8580



53.7364, 51.6946, 82.4892

Square

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



41.6742, 51.6946, 43.8580



44.5775, 51.6946, 81.9790



57.4351, 51.6946, 70.8660



53.9912, 51.6946, 36.6157

Rectangle

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



41.6742, 51.6946, 43.8580



40.9685, 51.6946, 65.3439



57.4351, 51.6946, 70.8660



58.3186, 51.6946, 48.1076

Sweetspot

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



41.6756, 51.6968, 43.8591



86.5826, 95.8893, 97.0085



48.7634, 55.4428, 40.0302



18.3836, 20.4522, 20.5534



0.0000, 0.0000, 0.0000



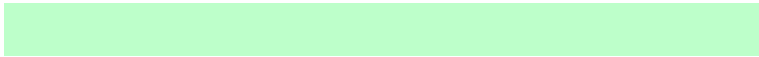
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6756, 51.6968, 43.8591



67.3636, 86.5771, 69.2001



43.8484, 52.5659, 55.3011



10.5847, 11.9228, 11.7634



13.4126, 26.3774, 5.8515



0.6618, 1.2597, 0.4179

Inverse Universe

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



45.6606, 40.3384, 55.2509



75.3159, 63.9034, 91.9281



43.4206, 39.4424, 43.4551



10.9866, 10.7780, 12.9125



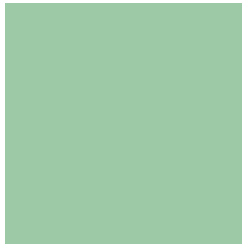
19.1623, 9.4145, 21.8625



0.9315, 0.4554, 1.1625

Previews

White Background



This preview shows how the XYZ color 41.6742, 51.6946, 43.8580 looks on a white background.

Color Contrast Check

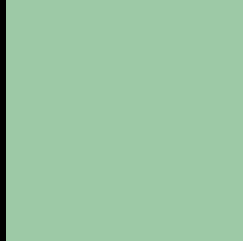
Large Text (above 18pt) WCAG AA × Fail

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 41.6742, 51.6946, 43.8580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

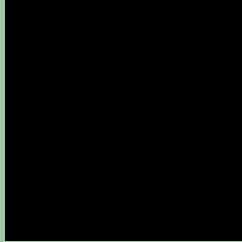
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

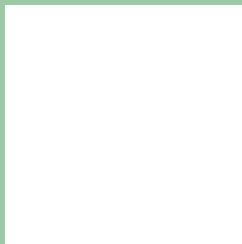
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6742, 51.6946, 43.8580

Background



This preview shows how black text looks on a background with the XYZ color 41.6742, 51.6946, 43.8580.



This preview shows how white text looks on a background with the XYZ color 41.6742, 51.6946,

43.8580.

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

41.6742, 51.6946, 43.8580

Protanopia

48.3622, 51.2126, 40.5938

Deuteranopia

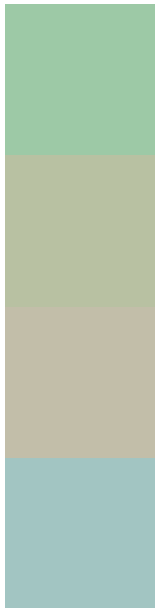
52.2135, 51.2163, 45.1640



Tritanopia

46.6650, 51.6827, 68.4890

Trichromacy



Original Color

41.6742, 51.6946, 43.8580

Protanomaly

45.3587, 50.9389, 41.6240

Deuteranomaly

47.8230, 51.1608, 44.8906

Tritanomaly

44.6041, 51.5089, 58.6303

Monochromacy



Original Color

41.6742, 51.6946, 43.8580

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.8048, 48.9999, 48.7441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6742, 51.6946, 43.8580 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, 201, 166)` looks like.

```
.text, #text, p{  
    color:rgb(157, 201, 166)  
}
```

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, 201, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 201, 166) }
```

Border

The CSS property to change the border of an element to XYZ 41.6742, 51.6946, 43.8580 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, 201, 166) }
```


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

```
.border{ border-color:rgb(157, 201, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 201, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 201, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 201, 166); box-shadow:4px 4px 4px 4px rgb(157, 201, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6742, 51.6946, 43.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 201, 166) }
```

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

```
.background{ background-color: rgb(157,  
201, 166) }
```

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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