

Converting Colors

XYZ(41.7615, 51.2255, 45.5102)

Have a look what the booklet for
XYZ(41.7615, 51.2255, 45.5102)
contains.

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Color

**XYZ(41.8146, 51.3789,
45.7435)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC8AA
RGB	157, 200, 170
RGB Percent	62%, 78%, 67%
CMY	0.3843, 0.2157, 0.3333
CMYK	0.22, 0.00, 0.15, 0.22
HSL	138°, 28%, 70%
HSV	138°, 22%, 78%
XYZ	41.8146, 51.3789, 45.7435
YIQ	183.7230, -15.9980, -18.4460

Conversions

Conversions Part 2

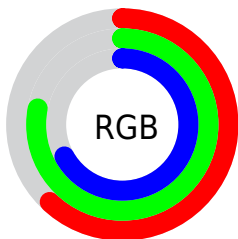
Format	Color
RYB	157, 190, 200
Decimal	10340522
CIELab	76.91, -20.19, 10.39
CIELCh	77, 22.707, 152.756
Yxy	51.3789, 0.3010, 0.3698
Android (android.graphics.Color)	4288530602 (0xFF9DC8AA)
YUV	183.7230, -6.7654, -23.4361
Hunter-Lab	71.6791, -21.3089, 12.3382

Details

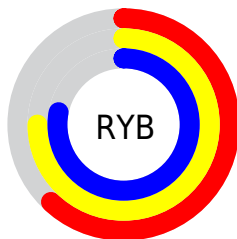
The XYZ color **41.8146, 51.3789, 45.7435** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.8478, 39.9824, 52.3695**, and the grayscale version is **45.4507, 47.8177, 52.0735**.

A 20% lighter version of the original color is **76.5020, 90.9533, 84.7578**, and **19.3746, 24.8690, 20.9186** is the 20% darker color. If you saturate the color by 10%, you get **36.9767, 49.0308, 38.9887**, and if you desaturate by 10%, it is **47.4342, 54.1166, 53.2686**.

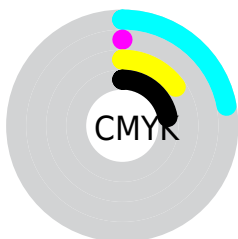
Distribution



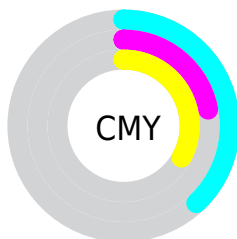
- Red (62%)
- Green (78%)
- Blue (67%)



- Red (62%)
- Yellow (75%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8146, 51.3789, 45.7435 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 41.8146, 51.3789, 45.7435 by changing the saturation by 10% instead.


 41.8146, 51.3789,
45.7435


 41.8146, 51.3789,
45.7435


344.7185,
392.0341, 386.0241

 29.1466, 36.5102,
31.6963


 77.1859, 92.2146,
85.1652

 19.3366, 24.8285,
20.8667

 100.6199,
118.9504, 111.3768

 12.0192, 15.9493,
12.8363


128.3733,
150.4108, 142.4802

 6.8290, 9.4883,
7.1865

160.8114,
186.9801, 178.8940

 3.4008, 5.0610,
3.4988

198.2997,
229.0426, 221.0368

 1.3691, 2.2831,
1.3546

241.2034,

 0.2340, 0.7648,

276.9829, 269.3270

0.1059

289.8879,
331.1853, 324.1833

■ 0.0000, 0.0000,
0.0000

■ 41.8146, 51.3789,
45.7435

■ 41.8146, 51.3789,
45.7435

■ 36.9767, 49.0308,
38.9887

■ 47.4342, 54.1166,
53.2686

■ 32.8810, 47.0482,
32.9763

■ 53.8644, 57.2541,
61.5837

■ 29.4905, 45.4141,
27.6817

■ 61.1378, 60.8092,
70.7124

■ 26.7636, 44.1074,
23.0780

■ 69.2838, 64.7965,
80.6759

■ 24.6540, 43.1049,
19.1361

■ 77.5895, 68.8482,
91.4601

■ 23.1091, 42.3801,
15.8250

■ 79.7408, 69.7087,
102.7883

■ 22.0667, 41.9017,
13.1112

■ 79.9452, 69.7905,
103.8651

■ 21.4832, 41.6416,
11.2449

Harmonies

Analogous

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



44.4759, 51.3789, 38.2257



41.8146, 51.3789, 45.7435



40.9977, 51.3789, 57.0948

Triad

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



41.8146, 51.3789, 45.7435



49.2347, 51.3789, 83.2298



56.1586, 51.3789, 44.0325

Complementary

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



41.8146, 51.3789, 45.7435



44.8478, 39.9824, 52.3695

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.



57.6104, 51.3789, 54.8065



41.8146, 51.3789, 45.7435



53.4681, 51.3789, 78.4305

Square

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



41.8146, 51.3789, 45.7435



45.1292, 51.3789, 79.8724



56.5983, 51.3789, 67.5557



52.7364, 51.3789, 37.3450

Rectangle

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



41.8146, 51.3789, 45.7435



41.5672, 51.3789, 65.6594



56.5983, 51.3789, 67.5557



56.9021, 51.3789, 47.2356

Sweetspot

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



41.8160, 51.3811, 45.7446



87.9720, 96.5442, 99.8455



47.2600, 54.3227, 39.8934



18.6716, 20.5873, 21.1668



0.0000, 0.0000, 0.0000



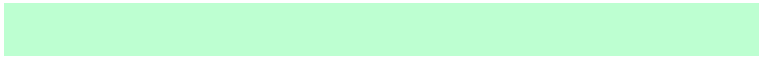
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8160, 51.3811, 45.7446



68.1488, 86.8912, 73.3350



44.0086, 52.2581, 57.2907



10.6273, 11.9398, 11.9873



13.6943, 26.4901, 7.3345



0.6810, 1.2674, 0.5191

Inverse Universe

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



44.8478, 39.9824, 52.3695



74.3623, 63.5219, 86.9061



42.7242, 39.1329, 41.1869



10.9412, 10.7599, 12.6739



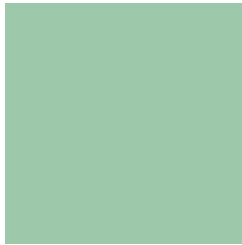
18.1747, 9.0194, 16.6616



0.8916, 0.4395, 0.9523

Previews

White Background



This preview shows how the XYZ color 41.8146, 51.3789, 45.7435 looks on a white background.

Color Contrast Check

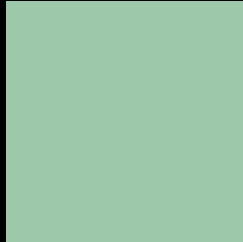
Large Text (above 18pt) WCAG AA × Fail

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 41.8146, 51.3789, 45.7435 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 41.8146, 51.3789, 45.7435

Background



This preview shows how black text looks on a background with the XYZ color 41.8146, 51.3789, 45.7435.



This preview shows how white text looks on a background with the XYZ color 41.8146, 51.3789,

45.7435.

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

41.8146, 51.3789, 45.7435

Protanopia

48.1871, 51.0813, 42.4419

Deuteranopia

52.0140, 51.0691, 47.1603



Tritanopia

46.2345, 51.1292, 68.4049

Trichromacy



Original Color

41.8146, 51.3789, 45.7435

Protanomaly

45.4813, 50.9604, 43.5156

Deuteranomaly

47.7327, 50.7498, 46.8151

Tritanomaly

44.2882, 50.9971, 59.1389

Monochromacy



Original Color

41.8146, 51.3789, 45.7435

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.0057, 49.0803, 49.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8146, 51.3789, 45.7435 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 170) }
```

Border

The CSS property to change the border of an element to XYZ 41.8146, 51.3789, 45.7435 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, 170) }
```


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

```
.border{ border-color:rgb(157, 200, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 200, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 200, 170);  
box-shadow:4px 4px 4px 4px rgb(157, 200,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8146, 51.3789, 45.7435 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, 170) }
```

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

```
.background{ background-color: rgb(157,  
200, 170) }
```

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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