

Converting Colors

XYZ(41.7668, 50.8005, 45.6715)

Have a look what the booklet for
XYZ(41.7668, 50.8005, 45.6715)
contains.

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Color

**XYZ(41.7479, 50.6614,
45.6085)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC6AA
RGB	159, 198, 170
RGB Percent	62%, 78%, 67%
CMY	0.3765, 0.2235, 0.3333
CMYK	0.20, 0.00, 0.14, 0.22
HSL	137°, 25%, 70%
HSV	137°, 20%, 78%
XYZ	41.7479, 50.6614, 45.6085
YIQ	183.1470, -14.2560, -16.9760

Conversions

Conversions Part 2

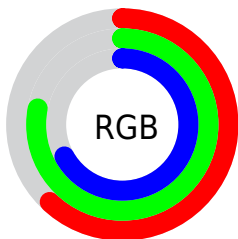
Format	Color
RYB	159, 189, 198
Decimal	10471082
CIELab	76.47, -18.52, 9.79
CIElCh	76, 20.948, 152.128
Yxy	50.6614, 0.3025, 0.3671
Android (android.graphics.Color)	4288661162 (0xFF9FC6AA)
YUV	183.1470, -6.4815, -21.1769
Hunter-Lab	71.1768, -19.8624, 11.8321

Details

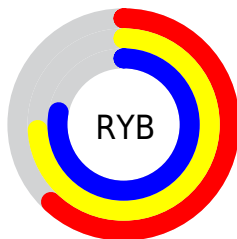
The XYZ color **41.7479, 50.6614, 45.6085** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6583, 40.3912, 52.4586**, and the grayscale version is **45.1316, 47.4820, 51.7079**.

A 20% lighter version of the original color is **77.0822, 91.2524, 84.7850**, and **19.3067, 24.3803, 20.8278** is the 20% darker color. If you saturate the color by 10%, you get **36.8587, 48.2894, 38.7355**, and if you desaturate by 10%, it is **47.4143, 53.4201, 53.2792**.

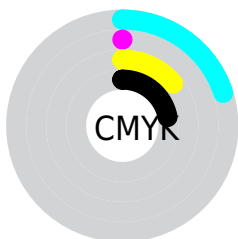
Distribution



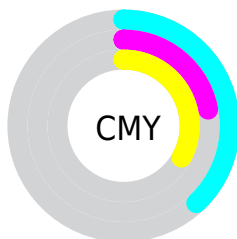
- Red (62%)
- Green (78%)
- Blue (67%)



- Red (62%)
- Yellow (74%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7479, 50.6614, 45.6085 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 41.7479, 50.6614, 45.6085 by changing the saturation by 10% instead.


 41.7479, 50.6614,
45.6085


 41.7479, 50.6614,
45.6085


344.4463,
389.2468, 385.4642

 29.0942, 35.9392,
31.5906


 77.0855, 91.1541,
84.9609

 19.2967, 24.3872,
20.7867


 100.5001,
117.6933, 111.1324

 11.9902, 15.6211,
12.7785


128.2324,
148.9404, 142.1922

 6.8091, 9.2565,
7.1473

160.6477,
185.2797, 178.5588

 3.3883, 4.9088,
3.4745

198.1114,
227.0956, 220.6508

 1.3623, 2.1939,
1.3417

240.9888,

 0.2291, 0.7167,

274.7725, 268.8866

0.0956

289.6453,
328.6948, 323.6849

■ 0.0000, 0.0000,
0.0000

■ 41.7479, 50.6614,
45.6085

■ 41.7479, 50.6614,
45.6085

■ 36.8587, 48.2894,
38.7355

■ 47.4143, 53.4201,
53.2792

■ 32.7081, 46.2805,
32.6312

■ 53.8860, 56.5752,
61.7687

■ 29.2603, 44.6182,
27.2697

■ 61.1949, 60.1440,
71.1016

■ 26.4748, 43.2822,
22.6223

■ 69.3698, 64.1411,
81.3002

■ 24.3069, 42.2501,
18.6587

■ 77.3245, 68.0059,
92.3342

■ 22.7059, 41.4964,
15.3460

■ 79.4851, 68.8701,
103.7117

■ 21.6127, 40.9914,
12.6487

■ 20.9231, 40.6822,
10.5262

■ 20.9050, 40.6741,
10.4705

Harmonies

Analogous

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



44.2265, 50.6614, 38.7213



41.7479, 50.6614, 45.6085



40.9569, 50.6614, 55.9729

Triad

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



41.7479, 50.6614, 45.6085



48.4346, 50.6614, 79.8670



54.8719, 50.6614, 44.3878

Complementary

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



41.7479, 50.6614, 45.6085



44.6583, 40.3912, 52.4586

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.



56.1442, 50.6614, 54.3583



41.7479, 50.6614, 45.6085



52.3035, 50.6614, 75.6995

Square

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



41.7479, 50.6614, 45.6085



44.6894, 50.6614, 76.7008



55.1800, 50.6614, 65.9635



51.7893, 50.6614, 38.0872

Rectangle

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



41.7479, 50.6614, 45.6085



41.4562, 50.6614, 63.7636



55.1800, 50.6614, 65.9635



55.5328, 50.6614, 47.3704

Sweetspot

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



41.7493, 50.6635, 45.6096



87.9248, 96.5254, 99.5971



47.0947, 53.5344, 40.6526



18.6605, 20.5829, 21.1082



0.0000, 0.0000, 0.0000



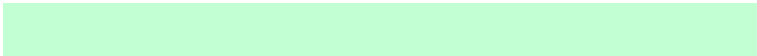
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7493, 50.6635, 45.6096



69.7223, 87.6691, 74.9148



43.6683, 51.4311, 55.7149



10.6184, 11.9362, 11.9406



13.6264, 26.4629, 6.9773



0.6770, 1.2657, 0.4978

Inverse Universe

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



44.6583, 40.3912, 52.4586



75.8817, 65.9124, 89.4114



42.7656, 39.6341, 42.4919



10.9506, 10.7636, 12.7231



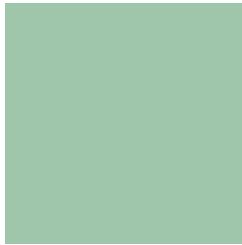
18.3663, 9.0961, 17.6704



0.8995, 0.4426, 0.9938

Previews

White Background



This preview shows how the XYZ color 41.7479, 50.6614, 45.6085 looks on a white background.

Color Contrast Check

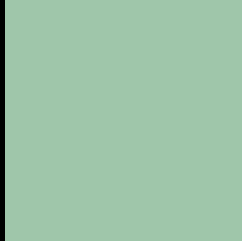
Large Text (above 18pt) WCAG AA × Fail

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 41.7479, 50.6614, 45.6085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

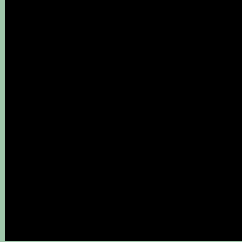
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7479, 50.6614, 45.6085

Background



This preview shows how black text looks on a background with the XYZ color 41.7479, 50.6614, 45.6085.

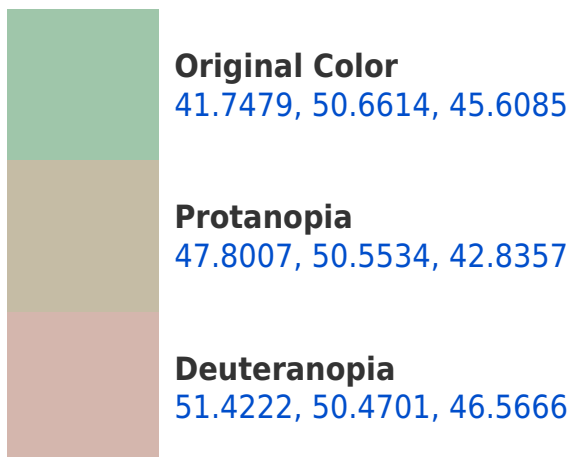


This preview shows how white text looks on a background with the XYZ color 41.7479, 50.6614,

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





Tritanopia

46.1810, 50.8010, 67.0461

Trichromacy



Original Color

41.7479, 50.6614, 45.6085

Protanomaly

45.3531, 50.5566, 43.9272

Deuteranomaly

47.4219, 50.2825, 46.2358

Tritanomaly

44.3570, 50.7118, 58.4894

Monochromacy



Original Color

41.7479, 50.6614, 45.6085

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.4747, 48.1795, 49.1277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7479, 50.6614, 45.6085 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(159, 198, 170)` looks like.

```
.text, #text, p{  
    color:rgb(159, 198, 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(159, 198, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 198, 170) }
```

Border

The CSS property to change the border of an element to XYZ 41.7479, 50.6614, 45.6085 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(159, 198, 170) }
```


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

```
.border{ border-color:rgb(159, 198, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 198, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 198, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 198, 170);  
box-shadow:4px 4px 4px 4px rgb(159, 198,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7479, 50.6614, 45.6085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 198, 170) }
```

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

```
.background{ background-color: rgb(159,  
198, 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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