

Converting Colors

XYZ(41.9898, 51.1779, 46.7579)

Have a look what the booklet for
XYZ(41.9898, 51.1779, 46.7579)
contains.

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Color

**XYZ(41.9704, 51.0945,
46.6799)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC7AC
RGB	158, 199, 172
RGB Percent	62%, 78%, 67%
CMY	0.3804, 0.2196, 0.3255
CMYK	0.21, 0.00, 0.14, 0.22
HSL	140°, 27%, 70%
HSV	140°, 21%, 78%
XYZ	41.9704, 51.0945, 46.6799
YIQ	183.6630, -15.7690, -17.0890

Conversions

Conversions Part 2

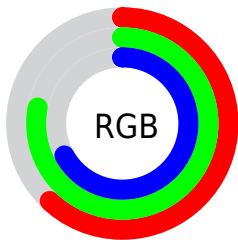
Format	Color
RYB	158, 189, 199
Decimal	10405804
CIELab	76.74, -18.98, 9.08
CIELCh	77, 21.039, 154.421
Yxy	51.0945, 0.3003, 0.3656
Android (android.graphics.Color)	4288595884 (0xFF9EC7AC)
YUV	183.6630, -5.7499, -22.5065
Hunter-Lab	71.4804, -20.2828, 11.3173

Details

The XYZ color **41.9704, 51.0945, 46.6799** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.5388, 40.0999, 51.2938**, and the grayscale version is **45.4122, 47.7771, 52.0293**.

A 20% lighter version of the original color is **77.0657, 91.2122, 86.2170**, and **19.4594, 24.6710, 21.5057** is the 20% darker color. If you saturate the color by 10%, you get **37.1714, 48.7603, 40.2062**, and if you desaturate by 10%, it is **47.5303, 53.8095, 53.8394**.

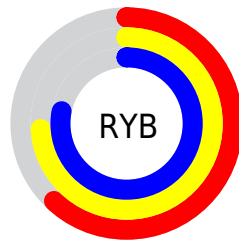
Distribution



Red (62%)

Green (78%)

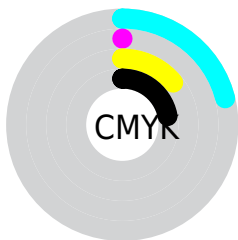
Blue (67%)



Red (62%)

Yellow (74%)

Blue (78%)

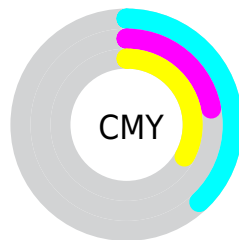


Cyan (21%)

Magenta (0%)

Yellow (14%)

Black (22%)



Cyan (38%)


Magenta (22%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9704, 51.0945, 46.6799 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 41.9704, 51.0945, 46.6799 by changing the saturation by 10% instead.


 41.9704, 51.0945,
46.6799


 41.9704, 51.0945,
46.6799


345.3539,
390.9308, 389.8921

 29.2691, 36.2838,
32.4301


 77.4203, 91.7944,
86.5806

 19.4298, 24.6535,
21.4227


 100.8996,
118.4525, 113.0686

 12.0871, 15.8191,
13.2391


128.7023,
149.8285, 144.4731

 6.8756, 9.3962,
7.4607

161.1937,
186.3067, 181.2127

 3.4301, 5.0005,
3.6691

198.7392,
228.2717, 223.7058

 1.3851, 2.2476,
1.4456

241.7042,

 0.2456, 0.7457,

276.1078, 272.3710

0.1769

290.4540,
330.1994, 327.6270

■ 0.0000, 0.0000,
0.0000

■ 41.9704, 51.0945,
46.6799

■ 41.9704, 51.0945,
46.6799

■ 37.1714, 48.7603,
40.2062

■ 47.5303, 53.8095,
53.8394

■ 33.0949, 46.7832,
34.3945

■ 53.8786, 56.9147,
61.7008

■ 29.7058, 45.1469,
29.2249

■ 61.0469, 60.4275,
70.2836

■ 26.9638, 43.8313,
24.6749

■ 69.0633, 64.3622,
79.6059

■ 24.8247, 42.8138,
20.7207

■ 77.0279, 68.2542,
89.6415

■ 23.2381, 42.0692,
17.3370

■ 79.0195, 69.0508,
100.1288

■ 22.1448, 41.5673,
14.4965

■ 79.7144, 69.3288,
103.7881

■ 21.4662, 41.2655,
12.2943

Harmonies

Analogous

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



44.3569, 51.0945, 39.4127



41.9704, 51.0945, 46.6799



41.3127, 51.0945, 57.3432

Triad

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



41.9704, 51.0945, 46.6799



49.1573, 51.0945, 80.5269



55.1679, 51.0945, 44.1199

Complementary

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



41.9704, 51.0945, 46.6799



44.5388, 40.0999, 51.2938

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.



56.6173, 51.0945, 53.9576



41.9704, 51.0945, 46.6799



53.0285, 51.0945, 75.7864

Square

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



41.9704, 51.0945, 46.6799



45.3277, 51.0945, 77.8857



55.8139, 51.0945, 65.6639



51.9504, 51.0945, 38.0827

Rectangle

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



41.9704, 51.0945, 46.6799



41.9110, 51.0945, 65.2155



55.8139, 51.0945, 65.6639



55.8858, 51.0945, 47.0388

Sweetspot

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



41.9718, 51.0966, 46.6810



88.0632, 96.5807, 100.3260



46.6850, 53.6736, 40.2480



18.6931, 20.5960, 21.2801



0.0000, 0.0000, 0.0000



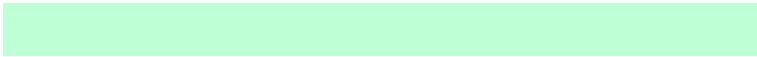
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9718, 51.0966, 46.6810



69.3212, 87.4338, 76.1849



44.0586, 51.9314, 57.6698



10.6444, 11.9467, 12.0778



13.8398, 26.5483, 8.1009



0.6894, 1.2707, 0.5629

Inverse Universe

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



44.5388, 40.0999, 51.2938



74.6667, 64.5273, 85.7851



42.5580, 39.3076, 40.8629



10.9233, 10.7527, 12.5792



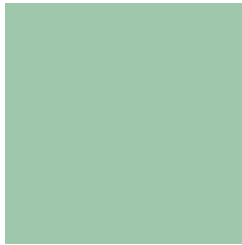
17.8242, 8.8793, 14.8162



0.8769, 0.4336, 0.8752

Previews

White Background



This preview shows how the XYZ color 41.9704, 51.0945, 46.6799 looks on a white background.

Color Contrast Check

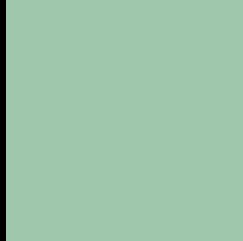
Large Text (above 18pt) WCAG AA × Fail

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 41.9704, 51.0945, 46.6799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

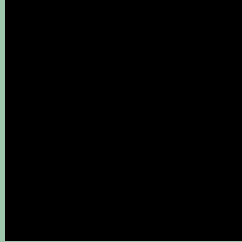
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9704, 51.0945, 46.6799

Background



This preview shows how black text looks on a background with the XYZ color 41.9704, 51.0945, 46.6799.



This preview shows how white text looks on a background with the XYZ color 41.9704, 51.0945,

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

41.9704, 51.0945, 46.6799

Protanopia

47.8921, 50.5899, 43.3170

Deuteranopia

51.6172, 50.5481, 47.5937



Tritanopia

46.3175, 51.1864, 67.7604

Trichromacy



Original Color

41.9704, 51.0945, 46.6799

Protanomaly

45.4460, 50.5937, 44.4161

Deuteranomaly

47.3614, 50.2289, 47.2433

Tritanomaly

44.6040, 51.1468, 59.7460

Monochromacy



Original Color

41.9704, 51.0945, 46.6799

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.1150, 48.8044, 50.2751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9704, 51.0945, 46.6799 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(158, 199, 172)` looks like.

```
.text, #text, p{  
    color:rgb(158, 199, 172)  
}
```

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(158, 199, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 199, 172) }
```

Border

The CSS property to change the border of an element to XYZ 41.9704, 51.0945, 46.6799 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(158, 199, 172) }
```


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

```
.border{ border-color:rgb(158, 199, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 199, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 199, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 199, 172);  
box-shadow:4px 4px 4px 4px rgb(158, 199,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9704, 51.0945, 46.6799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 199, 172) }
```

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

```
.background{ background-color: rgb(158,  
199, 172) }
```

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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