

Converting Colors

XYZ(45.4936, 53.8676, 46.9780)

Have a look what the booklet for
XYZ(45.4936, 53.8676, 46.9780)
contains.

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Color

**XYZ(45.5802, 53.9903,
47.0486)**

Conversions

Conversions Part 1

Format	Color
Hex	ACCAAC
RGB	172, 202, 172
RGB Percent	67%, 79%, 67%
CMY	0.3255, 0.2078, 0.3255
CMYK	0.15, 0.00, 0.15, 0.21
HSL	120°, 22%, 73%
HSV	120°, 15%, 79%
XYZ	45.5802, 53.9903, 47.0486
YIQ	189.6100, -8.2500, -15.6900

Conversions

Conversions Part 2

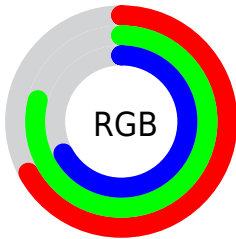
Format	Color
RYB	172, 202, 202
Decimal	11324076
CIELab	78.46, -15.77, 11.65
CIELCh	78, 19.610, 143.543
Yxy	53.9903, 0.3109, 0.3682
Android (android.graphics.Color)	4289514156 (0xFFACCAAC)
YUV	189.6100, -8.6817, -15.4440
Hunter-Lab	73.4781, -17.8589, 13.4708

Details

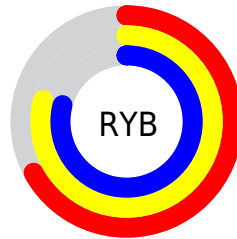
The XYZ color **45.5802, 53.9903, 47.0486** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.7722, 46.3271, 62.1983**, and the grayscale version is **48.7722, 51.3122, 55.8790**.

A 20% lighter version of the original color is **81.6200, 93.5600, 86.4301**, and **21.5878, 26.4578, 21.7384** is the 20% darker color. If you saturate the color by 10%, you get **39.6845, 51.1599, 37.4039**, and if you desaturate by 10%, it is **52.4477, 57.2907, 58.2804**.

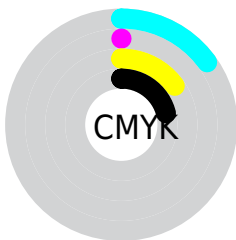
Distribution



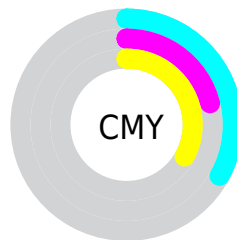
- Red (67%)
- Green (79%)
- Blue (67%)



- Red (67%)
- Yellow (79%)
- Blue (79%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (21%)



- Cyan (33%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5802, 53.9903, 47.0486 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 45.5802, 53.9903, 47.0486 by changing the saturation by 10% instead.

■ 45.5802, 53.9903,
47.0486

■ 45.5802, 53.9903,
47.0486

359.8626,
402.0730, 391.4079

■ 32.1179, 38.5939,
32.7195

■ 82.8221, 96.0600,
87.1369

■ 21.6075, 26.4440,
21.6423

107.3324,
123.5021, 113.7331

■ 13.6838, 17.1561,
13.3985

136.2561,
155.7282, 145.2555

■ 7.9813, 10.3458,
7.5696

169.9585,
193.1228, 182.1225

■ 4.1347, 5.6288,
3.7370

208.8050,
236.0701, 224.7527

■ 1.7786, 2.6207,
1.4822

253.1610,

■ 0.5047, 0.9371,

284.9547, 273.5646

0.2046

303.3917,
340.1609, 328.9768

■ 0.0000, 0.0000,
0.0000

■ 45.5802, 53.9903,
47.0486

■ 45.5802, 53.9903,
47.0486

■ 39.6845, 51.1599,
37.4039

■ 52.4477, 57.2907,
58.2804

■ 34.7125, 48.7716,
29.2714

■ 60.3235, 61.0738,
71.1625

■ 30.6190, 46.8053,
22.5756

■ 69.2474, 65.3605,
85.7591

■ 27.3527, 45.2363,
17.2330

■ 79.2560, 70.1681,
102.1298

■ 24.8574, 44.0377,
13.1515

■ 80.4116, 70.7232,
104.0205

■ 23.0699, 43.1790,
10.2275

■ 21.9167, 42.6251,
8.3413

■ 21.3088, 42.3331,
7.3467

■ 21.1216, 42.2432,
7.0406

Harmonies

Analogous

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



48.4109, 53.9903, 41.3877



45.5802, 53.9903, 47.0486



44.2951, 53.9903, 56.4303

Triad

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



45.5802, 53.9903, 47.0486



50.4868, 53.9903, 82.5135



58.4187, 53.9903, 50.7051

Complementary

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



45.5802, 53.9903, 47.0486



49.7722, 46.3271, 62.1983

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.



59.0425, 53.9903, 61.2069



45.5802, 53.9903, 47.0486



54.3354, 53.9903, 80.4832

Square

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



45.5802, 53.9903, 47.0486



47.0349, 53.9903, 77.5745



57.5142, 53.9903, 72.3298



55.8497, 53.9903, 43.3066

Rectangle

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



45.5802, 53.9903, 47.0486



44.4395, 53.9903, 63.9009



57.5142, 53.9903, 72.3298



58.8680, 53.9903, 53.9521

Sweetspot

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



45.5817, 53.9926, 47.0498



89.7974, 97.4769, 100.3084



52.9265, 57.7790, 47.3932



19.0157, 20.7658, 21.1354



0.0000, 0.0000, 0.0000



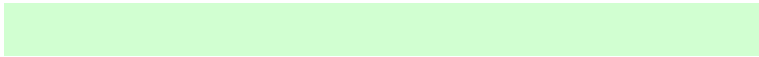
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5817, 53.9926, 47.0498



73.6039, 89.6983, 73.8213



47.1051, 54.6020, 55.0718



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5304



0.7011, 1.4023, 0.2337

Inverse Universe

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



49.7722, 46.3271, 62.1983



82.1149, 74.1300, 104.5876



48.0810, 45.6507, 53.2926



11.6876, 11.4038, 14.1555



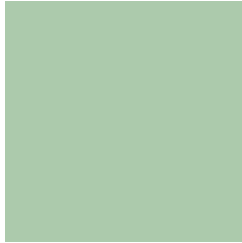
22.5333, 10.8239, 36.8564



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 45.5802, 53.9903, 47.0486 looks on a white background.

Color Contrast Check

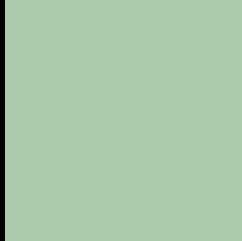
Large Text (above 18pt) WCAG AA × Fail

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 45.5802, 53.9903, 47.0486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

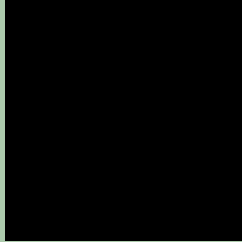
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5802, 53.9903, 47.0486

Background



This preview shows how black text looks on a background with the XYZ color 45.5802, 53.9903, 47.0486.



This preview shows how white text looks on a background with the XYZ color 45.5802, 53.9903,

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

45.5802, 53.9903, 47.0486

Protanopia

50.7664, 53.6636, 44.7282

Deuteranopia

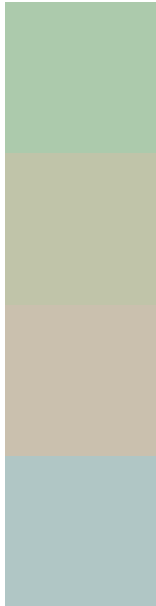
54.7216, 53.6959, 48.0376



Tritanopia

50.2140, 53.8170, 70.0285

Trichromacy



Original Color

45.5802, 53.9903, 47.0486

Protanomaly

48.6396, 53.5509, 45.3089

Deuteranomaly

50.8467, 53.3118, 47.6547

Tritanomaly

48.1766, 53.6495, 60.6395

Monochromacy



Original Color

45.5802, 53.9903, 47.0486

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.3675, 52.0698, 52.3537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5802, 53.9903, 47.0486 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(172, 202, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 202, 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(172, 202, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 202, 172) }
```

Border

The CSS property to change the border of an element to XYZ 45.5802, 53.9903, 47.0486 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(172, 202, 172) }
```


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

```
.border{ border-color:rgb(172, 202, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 202, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 202, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 202, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 202,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5802, 53.9903, 47.0486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 202, 172) }
```

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

```
.background{ background-color: rgb(172,  
202, 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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