

Converting Colors

XYZ(45.3658, 53.9541, 43.4431)

Have a look what the booklet for
XYZ(45.3658, 53.9541, 43.4431)
contains.

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Color

**XYZ(45.3676, 53.9563,
43.6208)**

Conversions

Conversions Part 1

Format	Color
Hex	AECAA5
RGB	174, 202, 165
RGB Percent	68%, 79%, 65%
CMY	0.3176, 0.2078, 0.3529
CMYK	0.14, 0.00, 0.18, 0.21
HSL	105°, 26%, 72%
HSV	105°, 18%, 79%
XYZ	45.3676, 53.9563, 43.6208
YIQ	189.4100, -4.8110, -17.4430

Conversions

Conversions Part 2

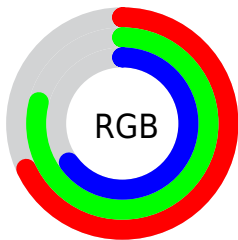
Format	Color
RYB	165, 202, 193
Decimal	11455141
CIELab	78.44, -16.30, 15.38
CIELCh	78, 22.411, 136.651
Yxy	53.9563, 0.3174, 0.3775
Android (android.graphics.Color)	4289645221 (0xFFAECAA5)
YUV	189.4100, -12.0341, -13.5146
Hunter-Lab	73.4550, -18.3001, 16.2094

Details

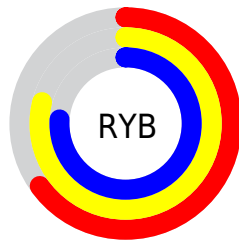
The XYZ color **45.3676, 53.9563, 43.6208** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.1103, 42.5135, 61.6555**, and the grayscale version is **48.6746, 51.2094, 55.7671**.

A 20% lighter version of the original color is **81.3114, 93.5103, 81.4739**, and **21.4557, 26.4370, 19.5948** is the 20% darker color. If you saturate the color by 10%, you get **40.4584, 51.6230, 34.5396**, and if you desaturate by 10%, it is **50.9578, 56.6102, 54.2520**.

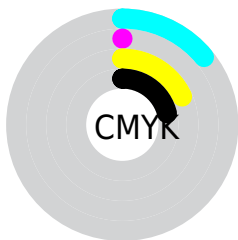
Distribution



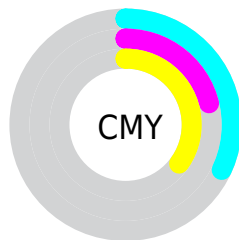
- Red (68%)
- Green (79%)
- Blue (65%)



- Red (65%)
- Yellow (79%)
- Blue (76%)



- Cyan (14%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)





- Cyan (32%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3676, 53.9563, 43.6208 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 45.3676, 53.9563, 43.6208 by changing the saturation by 10% instead.


 45.3676, 53.9563,
43.6208


 45.3676, 53.9563,
43.6208


359.0190,
401.9433, 377.1546

 31.9496, 38.5667,
30.0375


 82.5054, 96.0101,
81.9432

 21.4784, 26.4228,
19.6148


 106.9560,
123.4431, 107.5194

 13.5886, 17.1402,
11.9340


135.8147,
155.6593, 137.9303

 7.9148, 10.3345,
6.5768

169.4470,
193.0432, 173.5945

 4.0919, 5.6213,
3.1245

208.2182,
235.9792, 214.9305

 1.7542, 2.6162,
1.1585

252.4937,

 0.4899, 0.9348,

284.8516, 262.3568

0.0000

302.6389,
340.0449, 316.2920

■ 0.0000, 0.0000,
0.0000

■ 45.3676, 53.9563,
43.6208

■ 45.3676, 53.9563,
43.6208

■ 40.4584, 51.6230,
34.5396

■ 50.9578, 56.6102,
54.2520

■ 36.1993, 49.5914,
26.9328

■ 57.2498, 59.5893,
66.4972

■ 32.5635, 47.8507,
20.7234

■ 64.2686, 62.9068,
80.4212

■ 29.5205, 46.3872,
15.8264

■ 72.0369, 66.5729,
96.0838

■ 27.0370, 45.1857,
12.1471

■ 78.7534, 69.8683,
103.9429

■ 25.0761, 44.2297,
9.5787

■ 80.4116, 70.7232,
104.0205

■ 23.5962, 43.5003,
7.9952

■ 22.5410, 42.9727,
7.2041

■ 22.3944, 42.8993,
7.1001

Harmonies

Analogous

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



48.8948, 53.9563, 38.4378



45.3676, 53.9563, 43.6208



43.4759, 53.9563, 53.3244

Triad

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



45.3676, 53.9563, 43.6208



49.3529, 53.9563, 85.6545



59.8347, 53.9563, 52.0688

Complementary

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



45.3676, 53.9563, 43.6208



46.1103, 42.5135, 61.6555

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.



59.9748, 53.9563, 64.5301



45.3676, 53.9563, 43.6208



53.7494, 53.9563, 85.1903

Square

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



45.3676, 53.9563, 43.6208



45.6863, 53.9563, 78.2143



57.6933, 53.9563, 77.0243



57.3208, 53.9563, 42.8155

Rectangle

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



45.3676, 53.9563, 43.6208



43.3221, 53.9563, 61.6038



57.6933, 53.9563, 77.0243



60.1658, 53.9563, 55.9842

Sweetspot

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



45.3690, 53.9586, 43.6220



89.6033, 97.4215, 98.2830



50.1656, 53.3050, 43.2430



19.0203, 20.7771, 20.7295



0.0000, 0.0000, 0.0000



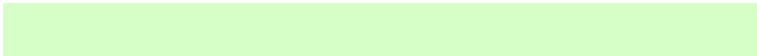
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3690, 53.9586, 43.6220



73.3656, 89.7169, 67.4223



44.3036, 53.3085, 48.1281



11.3193, 12.6665, 11.9277



14.4780, 27.6390, 4.5718



0.8176, 1.4623, 0.2392

Inverse Universe

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



46.1103, 42.5135, 61.6555



74.8478, 66.7844, 103.5535



47.4120, 43.3073, 56.1685



11.4106, 11.2610, 14.1426



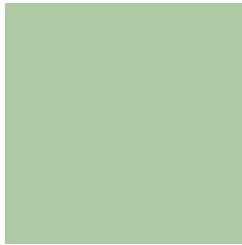
15.3817, 7.1371, 36.5232



0.8591, 0.4020, 1.8873

Previews

White Background



This preview shows how the XYZ color 45.3676, 53.9563, 43.6208 looks on a white background.

Color Contrast Check

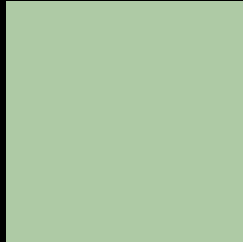
Large Text (above 18pt) WCAG AA × Fail

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 45.3676, 53.9563, 43.6208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

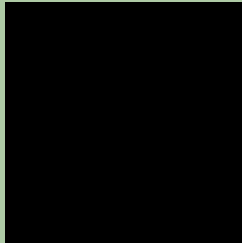
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

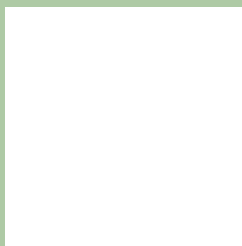
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3676, 53.9563, 43.6208

Background



This preview shows how black text looks on a background with the XYZ color 45.3676, 53.9563, 43.6208.



This preview shows how white text looks on a background with the XYZ color 45.3676, 53.9563,

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

45.3676, 53.9563, 43.6208

Protanopia

50.6798, 53.6923, 41.4107

Deuteranopia

54.7510, 53.4746, 44.4817



Tritanopia

50.5539, 54.0068, 69.3879

Trichromacy



Original Color

45.3676, 53.9563, 43.6208

Protanomaly

48.5096, 53.5578, 41.9634

Deuteranomaly

51.0015, 53.4684, 44.1916

Tritanomaly

48.2918, 53.7482, 58.8681

Monochromacy



Original Color

45.3676, 53.9563, 43.6208

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.2972, 52.0692, 50.7376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3676, 53.9563, 43.6208 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(174, 202, 165)` looks like.

```
.text, #text, p{  
    color:rgb(174, 202, 165)  
}
```

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(174, 202, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 202, 165) }
```

Border

The CSS property to change the border of an element to XYZ 45.3676, 53.9563, 43.6208 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(174, 202, 165) }
```


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

```
.border{ border-color:rgb(174, 202, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 202, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 202, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 202, 165);  
box-shadow:4px 4px 4px 4px rgb(174, 202,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3676, 53.9563, 43.6208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 202, 165) }
```

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

```
.background{ background-color: rgb(174,  
202, 165) }
```

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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