

Converting Colors

XYZ(39.4819, 46.0917, 40.2825)

Have a look what the booklet for
XYZ(39.4819, 46.0917, 40.2825)
contains.

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Color

**XYZ(39.4253, 45.9712,
40.0531)**

Conversions

Conversions Part 1

Format	Color
Hex	A4BBA0
RGB	164, 187, 160
RGB Percent	64%, 73%, 63%
CMY	0.3569, 0.2667, 0.3725
CMYK	0.12, 0.00, 0.14, 0.27
HSL	111°, 17%, 68%
HSV	111°, 14%, 73%
XYZ	39.4253, 45.9712, 40.0531
YIQ	177.0450, -5.0410, -13.2730

Conversions

Conversions Part 2

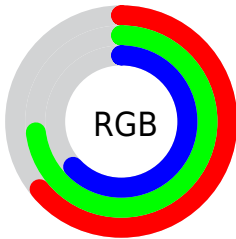
Format	Color
RYB	160, 187, 183
Decimal	10795936
CIELab	73.53, -13.00, 11.05
CIELCh	74, 17.064, 139.627
Yxy	45.9712, 0.3143, 0.3665
Android (android.graphics.Color)	4288986016 (0xFFA4BBA0)
YUV	177.0450, -8.4032, -11.4405
Hunter-Lab	67.8021, -14.8601, 12.4367

Details

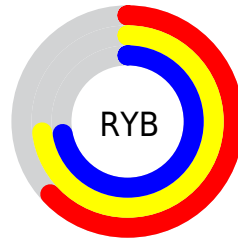
The XYZ color **39.4253, 45.9712, 40.0531** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0707, 38.7980, 52.3402**, and the grayscale version is **41.8592, 44.0392, 47.9587**.

A 20% lighter version of the original color is **73.5298, 84.0675, 76.6412**, and **17.9675, 21.5991, 17.6900** is the 20% darker color. If you saturate the color by 10%, you get **34.8268, 43.7770, 31.9312**, and if you desaturate by 10%, it is **44.6842, 48.4802, 49.4924**.

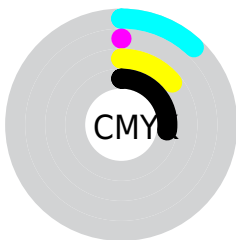
Distribution



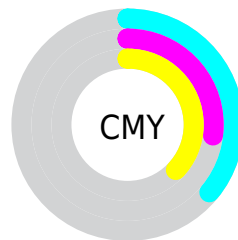
- Red (64%)
- Green (73%)
- Blue (63%)



- Red (63%)
- Yellow (73%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (14%)
- Black (27%)





- Cyan (36%)
- Magenta (27%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4253, 45.9712, 40.0531 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 39.4253, 45.9712, 40.0531 by changing the saturation by 10% instead.


 39.4253, 45.9712,
40.0531


 39.4253, 45.9712,
40.0531


334.8714,
370.6929, 361.9061

 27.2730, 32.2231,
27.2658


 73.5775, 84.1759,
76.4823

 17.9160, 21.5320,
17.5388

 96.3081, 109.4013,
100.9614

 10.9890, 13.5134,
10.4534


123.2954,
139.2212, 130.1748

 6.1267, 7.7830,
5.5911

154.9049,
174.0201, 164.5411

 2.9637, 3.9564,
2.5333

191.5019,
214.1823, 204.4789

 1.1346, 1.6492,
0.8577

233.4518,

 0.0537, 0.3904,

260.0922, 250.4066

0.0000

281.1198,
312.1343, 302.7428

■ 0.0000, 0.0000,
0.0000

■ 39.4253, 45.9712,
40.0531

■ 39.4253, 45.9712,
40.0531

■ 34.8268, 43.7770,
31.9312

■ 44.6842, 48.4802,
49.4924

■ 30.8590, 41.8793,
25.0652

■ 50.6246, 51.3094,
60.3009

■ 27.4951, 40.2672,
19.3934

■ 57.2709, 54.4719,
72.5311

■ 24.7052, 38.9267,
14.8475

■ 64.6455, 57.9780,
86.2320

■ 22.4567, 37.8426,
11.3526

■ 72.7696, 61.8377,
101.4502

■ 20.7137, 36.9982,
8.8242

■ 77.0612, 64.0224,
102.9037

■ 19.4355, 36.3747,
7.1655

■ 18.5753, 35.9504,
6.2587

■ 18.2419, 35.7851,
5.9458

Harmonies

Analogous

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



41.7760, 45.9712, 35.9902



39.4253, 45.9712, 40.0531



38.2369, 45.9712, 47.1248

Triad

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



39.4253, 45.9712, 40.0531



42.6588, 45.9712, 68.2245



49.3846, 45.9712, 44.6832

Complementary

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



39.4253, 45.9712, 40.0531



41.0707, 38.7980, 52.3402

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.



49.6477, 45.9712, 53.1038



39.4253, 45.9712, 40.0531



45.6703, 45.9712, 67.3758

Square

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



39.4253, 45.9712, 40.0531



40.0460, 45.9712, 63.7971



48.2607, 45.9712, 61.5967



47.5576, 45.9712, 38.4429

Rectangle

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



39.4253, 45.9712, 40.0531



38.2249, 45.9712, 52.8827



48.2607, 45.9712, 61.5967



49.6619, 45.9712, 47.3296

Sweetspot

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



39.4265, 45.9732, 40.0541



80.4019, 87.0029, 89.3173



43.7638, 46.9514, 40.0143



17.5387, 19.0798, 19.3669



90.7827, 95.5105, 104.0109



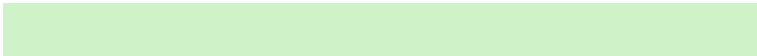
18.6292, 19.5994, 21.3438

Same Dimension

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



39.4265, 45.9732, 40.0541



68.1560, 81.1629, 67.3738



39.4727, 45.8978, 44.5379



9.5368, 10.7156, 10.1423



12.6069, 24.6750, 4.0983



0.5363, 0.9885, 0.1625

Inverse Universe

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



41.0707, 38.7980, 52.3402



71.6090, 66.0892, 93.1837



41.0567, 38.9039, 47.2300



9.7873, 9.6228, 12.0137



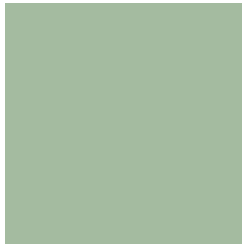
16.1210, 7.5968, 33.0095



0.6698, 0.3173, 1.2948

Previews

White Background



This preview shows how the XYZ color 39.4253, 45.9712, 40.0531 looks on a white background.

Color Contrast Check

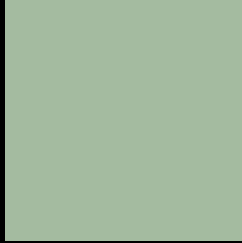
Large Text (above 18pt) WCAG AA × Fail

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 39.4253, 45.9712, 40.0531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

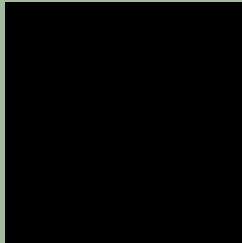
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4253, 45.9712, 40.0531

Background



This preview shows how black text looks on a background with the XYZ color 39.4253, 45.9712, 40.0531.



This preview shows how white text looks on a background with the XYZ color 39.4253, 45.9712,

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

39.4253, 45.9712, 40.0531

Protanopia

43.3083, 45.8616, 38.0221

Deuteranopia

46.6488, 45.7538, 41.0230



Tritanopia

43.2693, 45.9875, 58.8205

Trichromacy



Original Color

39.4253, 45.9712, 40.0531

Protanomaly

41.8417, 46.0046, 38.5728

Deuteranomaly

43.6280, 45.6677, 40.6977

Tritanomaly

41.8362, 46.0247, 51.4784

Monochromacy



Original Color

39.4253, 45.9712, 40.0531

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.8878, 44.7587, 45.0123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4253, 45.9712, 40.0531 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(164, 187, 160)` looks like.

```
.text, #text, p{  
    color:rgb(164, 187, 160)  
}
```

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(164, 187, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 187, 160) }
```

Border

The CSS property to change the border of an element to XYZ 39.4253, 45.9712, 40.0531 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(164, 187, 160) }
```


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

```
.border{ border-color:rgb(164, 187, 160) }
```

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

Here you see how a box with a 4 pixel rgb(164, 187, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 187, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 187, 160);  
box-shadow:4px 4px 4px 4px rgb(164, 187,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4253, 45.9712, 40.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 187, 160) }
```

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

```
.background{ background-color: rgb(164,  
187, 160) }
```

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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