

Converting Colors

XYZ(47.1889, 63.3981, 39.7109)

Have a look what the booklet for
XYZ(47.1889, 63.3981, 39.7109)
contains.

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Color

**XYZ(47.1034, 63.1883,
39.8509)**

Conversions

Conversions Part 1

Format	Color
Hex	A1E099
RGB	161, 224, 153
RGB Percent	63%, 88%, 60%
CMY	0.3686, 0.1216, 0.4000
CMYK	0.28, 0.00, 0.32, 0.12
HSL	113°, 53%, 74%
HSV	113°, 32%, 88%
XYZ	47.1034, 63.1883, 39.8509
YIQ	197.0690, -14.7570, -35.4370

Conversions

Conversions Part 2

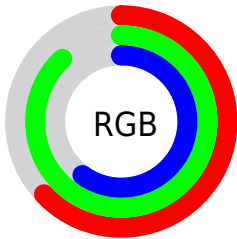
Format	Color
RYB	153, 224, 216
Decimal	10608793
CIELab	83.54, -33.38, 28.56
CIELCh	84, 43.932, 139.448
Yxy	63.1883, 0.3137, 0.4209
Android (android.graphics.Color)	4288798873 (0xFFA1E099)
YUV	197.0690, -21.7260, -31.6325
Hunter-Lab	79.4911, -33.3370, 25.9202

Details

The XYZ color **47.1034, 63.1883, 39.8509** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.1673, 42.7650, 75.9766**, and the grayscale version is **53.2475, 56.0205, 61.0063**.

A 20% lighter version of the original color is **75.7604, 90.8258, 73.2126**, and **22.4150, 32.0706, 17.3208** is the 20% darker color. If you saturate the color by 10%, you get **41.7323, 60.6154, 30.8319**, and if you desaturate by 10%, it is **53.4618, 66.2338, 50.7317**.

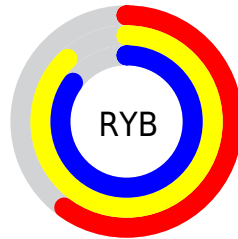
Distribution



Red (63%)

Green (88%)

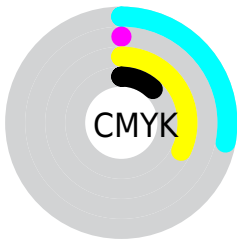
Blue (60%)



Red (60%)

Yellow (88%)

Blue (85%)

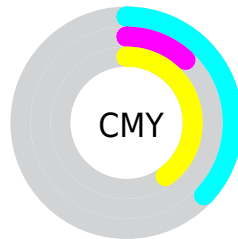


Cyan (28%)

Magenta (0%)

Yellow (32%)

Black (12%)



Cyan (37%)

Magenta (12%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1034, 63.1883, 39.8509 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 47.1034, 63.1883, 39.8509 by changing the saturation by 10% instead.

■ 47.1034, 63.1883,
39.8509

■ 47.1034, 63.1883,
39.8509

365.8691,
436.2525, 361.0281

■ 33.3257, 45.9936,
27.1094

■ 85.0857, 109.4411,
76.1710

■ 22.5365, 32.2407,
17.4222

■ 110.0211,
139.2680, 100.5867

■ 14.3704, 21.5454,
10.3709

139.4064,
174.0744, 129.7309

■ 8.4622, 13.5233,
5.5367

173.6069,
214.2446, 164.0221

■ 4.4464, 7.7899,
2.5013

212.9881,
260.1632, 203.8789

■ 1.9576, 3.9608,
0.8408

257.9153,

■ 0.6100, 1.6516,

312.2144, 249.7198

0.0000

308.7539,
370.7828, 301.9634

■ 0.0000, 0.3920,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1034, 63.1883,
39.8509

■ 47.1034, 63.1883,
39.8509

■ 41.7323, 60.6154,
30.8319

■ 53.4618, 66.2338,
50.7317

■ 37.2943, 58.4837,
23.5664

■ 60.8488, 69.7655,
63.5661

■ 33.7370, 56.7706,
17.9418

■ 69.3089, 73.8063,
78.4446

■ 31.0011, 55.4484,
13.8302

■ 78.8829, 78.3754,
95.4512

■ 29.0198, 54.4857,
11.0851

■ 85.9469, 81.7938,
105.8656

■ 27.7153, 53.8463,
9.5309

■ 27.0637, 53.5235,
8.9047

Harmonies

Analogous

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



54.1231, 63.1883, 30.0388



47.1034, 63.1883, 39.8509



43.6865, 63.1883, 59.5724

Triad

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



47.1034, 63.1883, 39.8509



56.7432, 63.1883, 134.9102



79.1880, 63.1883, 52.6664

Complementary

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



47.1034, 63.1883, 39.8509



53.1673, 42.7650, 75.9766

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.



80.0819, 63.1883, 78.9373



47.1034, 63.1883, 39.8509



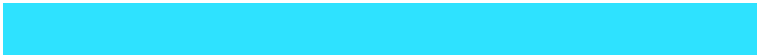
66.4129, 63.1883, 131.6143

Square

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



47.1034, 63.1883, 39.8509



48.8453, 63.1883, 117.2605



75.1948, 63.1883, 109.1847



72.8687, 63.1883, 35.9583

Rectangle

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



47.1034, 63.1883, 39.8509



43.6366, 63.1883, 77.8440



75.1948, 63.1883, 109.1847



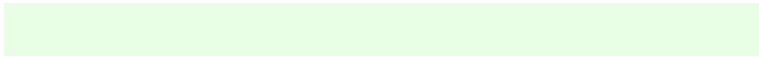
80.1567, 63.1883, 60.4875

Sweetspot

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



47.1050, 63.1910, 39.8523



83.3726, 94.4234, 88.3266



60.9763, 67.1169, 39.8790



17.5194, 20.0548, 18.3353



0.0000, 0.0000, 0.0000



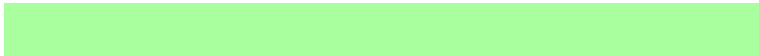
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1050, 63.1910, 39.8523



58.3059, 82.4289, 45.2302



48.0548, 63.3906, 53.0003



13.6714, 15.4108, 14.5608



15.8004, 31.1779, 5.1852



1.1438, 2.1861, 0.3617

Inverse Universe

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



53.1673, 42.7650, 75.9766



67.6311, 50.9559, 100.8787



52.1872, 42.6527, 58.1777



14.1350, 13.8531, 17.3166



21.5666, 10.2133, 41.8830



1.5388, 0.7305, 2.9052

Previews

White Background



This preview shows how the XYZ color 47.1034, 63.1883, 39.8509 looks on a white background.

Color Contrast Check

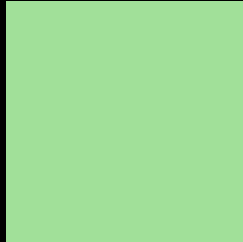
Large Text (above 18pt) WCAG AA × Fail

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 47.1034, 63.1883, 39.8509 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 47.1034, 63.1883, 39.8509

Background



This preview shows how black text looks on a background with the XYZ color 47.1034, 63.1883, 39.8509.

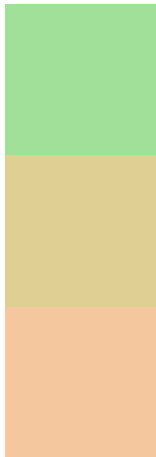


This preview shows how white text looks on a background with the XYZ color 47.1034, 63.1883, 39.8509.

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

47.1034, 63.1883, 39.8509

Protanopia

58.2416, 62.5483, 36.1975

Deuteranopia

63.9032, 62.5486, 41.0528



Tritanopia

56.1496, 62.9766, 84.7976

Trichromacy



Original Color

47.1034, 63.1883, 39.8509



Protanomaly

53.3065, 62.1759, 37.6254



Deuteranomaly

56.2882, 61.8082, 40.4160



Tritanomaly

52.4285, 63.0007, 65.8970

Monochromacy



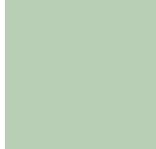
Original Color

47.1034, 63.1883, 39.8509



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.4205, 58.1522, 52.2831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1034, 63.1883, 39.8509 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(161, 224, 153)` looks like.

```
.text, #text, p{  
    color:rgb(161, 224, 153)  
}
```

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(161, 224, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 224, 153) }
```

Border

The CSS property to change the border of an element to XYZ 47.1034, 63.1883, 39.8509 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(161, 224, 153) }
```


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

```
.border{ border-color:rgb(161, 224, 153) }
```

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

Here you see how a box with a 4 pixel rgb(161, 224, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 224, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 224, 153);  
box-shadow:4px 4px 4px 4px rgb(161, 224,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1034, 63.1883, 39.8509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 224, 153) }
```

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

```
.background{ background-color: rgb(161,  
224, 153) }
```

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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