

Converting Colors

XYZ(47.1240, 63.5486, 62.5766)

Have a look what the booklet for
XYZ(47.1240, 63.5486, 62.5766)
contains.

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Color

**XYZ(47.1059, 63.4923,
62.5958)**

Conversions

Conversions Part 1

Format	Color
Hex	86E2C5
RGB	134, 226, 197
RGB Percent	53%, 89%, 77%
CMY	0.4745, 0.1137, 0.2274
CMYK	0.41, 0.00, 0.13, 0.11
HSL	161°, 61%, 71%
HSV	161°, 41%, 89%
XYZ	47.1059, 63.4923, 62.5958
YIQ	195.1860, -45.5230, -28.5230

Conversions

Conversions Part 2

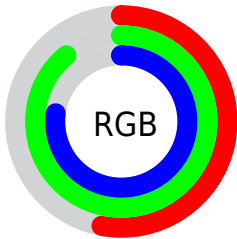
Format	Color
RYB	134, 189, 226
Decimal	8839877
CIELab	83.70, -34.06, 5.60
CIELCh	84, 34.517, 170.666
Yxy	63.4923, 0.2720, 0.3666
Android (android.graphics.Color)	4287029957 (0xFF86E2C5)
YUV	195.1860, 0.8943, -53.6601
Hunter-Lab	79.6821, -33.9192, 9.2010

Details

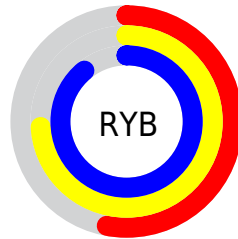
The XYZ color **47.1059, 63.4923, 62.5958** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.5021, 35.8649, 39.1244**, and the grayscale version is **51.9983, 54.7063, 59.5752**.

A 20% lighter version of the original color is **75.1353, 89.7521, 107.1298**, and **22.4745, 32.3523, 31.0467** is the 20% darker color. If you saturate the color by 10%, you get **43.0846, 61.5130, 58.2472**, and if you desaturate by 10%, it is **51.9390, 65.8889, 67.1865**.

Distribution



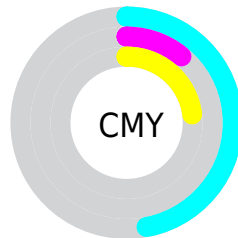
- Red (53%)
- Green (89%)
- Blue (77%)



- Red (53%)
- Yellow (74%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1059, 63.4923, 62.5958 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 47.1059, 63.4923, 62.5958 by changing the saturation by 10% instead.


 47.1059, 63.4923,
62.5958


 47.1059, 63.4923,
62.5958


365.8789,
437.3539, 452.1686


 33.3277, 46.2396,
45.0754


 85.0895, 109.8794,
110.1661

 22.5380, 32.4349,
31.1734


 110.0255,
139.7827, 141.0531

 14.3716, 21.6939,
20.4714


 139.4115,
174.6715, 177.2327

 8.4630, 13.6322,
12.5507

173.6129,
214.9304, 219.1234

 4.4469, 7.8653,
6.9928

212.9950,
260.9437, 267.1438

 1.9579, 4.0089,
3.3792


257.9231,

 0.6102, 1.6785,


313.0957, 321.7124


1.2914


308.7626,
371.7710, 383.2479


 0.0000, 0.4097,
0.0547


 0.0000, 0.0000,
0.0000


 47.1059, 63.4923,
62.5958


 47.1059, 63.4923,
62.5958

 43.0846, 61.5130,
58.2472


 51.9390, 65.8889,
67.1865


 39.8198, 59.9177,
54.1314


 57.6243, 68.7187,
72.0199

 37.2576, 58.6802,
50.2444


 64.2057, 72.0059,
77.1020


 35.3341, 57.7677,
46.5802


 71.7224, 75.7706,
82.4372

 33.9733, 57.1411,
43.1325

 80.2113, 80.0318,
88.0299

 33.0937, 56.7535,
40.1146

 84.1284, 81.9314,
93.6230

 85.2065, 82.3626,
99.3001

 86.3266, 82.8106,
105.1984

 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



49.7845, 63.4923, 45.9531



47.1059, 63.4923, 62.5958



47.7388, 63.4923, 84.8963

Triad

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



47.1059, 63.4923, 62.5958



65.6264, 63.4923, 115.8770



70.0415, 63.4923, 41.6648

Complementary

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



47.1059, 63.4923, 62.5958



46.5021, 35.8649, 39.1244

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.



75.0012, 63.4923, 55.4515



47.1059, 63.4923, 62.5958



72.3080, 63.4923, 99.0306

Square

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



47.1059, 63.4923, 62.5958



58.0198, 63.4923, 118.9065



75.8636, 63.4923, 76.1087



62.7367, 63.4923, 35.6430

Rectangle

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



47.1059, 63.4923, 62.5958



49.9760, 63.4923, 99.9767



75.8636, 63.4923, 76.1087



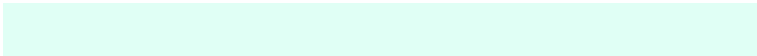
72.0630, 63.4923, 45.3902

Sweetspot

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



47.1077, 63.4949, 62.5973



83.1601, 94.0455, 100.4392



46.6330, 63.9173, 32.4346



17.5460, 20.0028, 21.3073



0.0000, 0.0000, 0.0000



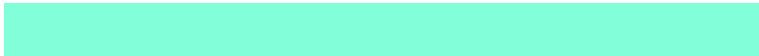
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1077, 63.4949, 62.5973



57.3180, 81.2075, 77.3559



46.3941, 56.2281, 80.3624



13.9231, 15.4950, 16.6301



18.9351, 32.3989, 23.1792



1.3524, 2.2617, 1.8171

Inverse Universe

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



46.5021, 35.8649, 39.1244



56.4320, 40.1197, 42.5222



46.7142, 39.9820, 27.8104



13.8843, 13.7714, 15.1612



18.5940, 9.5046, 4.5279



1.3284, 0.6746, 0.5224

Previews

White Background



This preview shows how the XYZ color 47.1059, 63.4923, 62.5958 looks on a white background.

Color Contrast Check

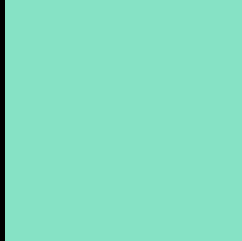
Large Text (above 18pt) WCAG AA × Fail

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 47.1059, 63.4923, 62.5958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

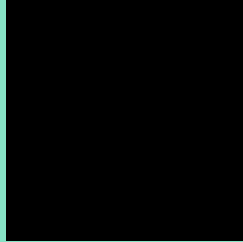
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1059, 63.4923, 62.5958

Background



This preview shows how black text looks on a background with the XYZ color 47.1059, 63.4923, 62.5958.



This preview shows how white text looks on a background with the XYZ color 47.1059, 63.4923,

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

47.1059, 63.4923, 62.5958

Protanopia

59.6014, 62.8124, 55.9964

Deuteranopia

63.8604, 62.6956, 64.6128



Tritanopia

52.5274, 63.2887, 90.3364

Trichromacy



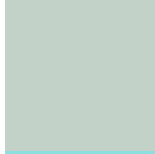
Original Color

47.1059, 63.4923, 62.5958



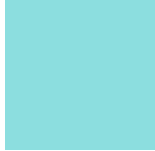
Protanomaly

53.7002, 62.2938, 58.4838



Deuteranomaly

55.7201, 61.7327, 63.6224



Tritanomaly

50.2558, 63.1457, 79.3516

Monochromacy



Original Color

47.1059, 63.4923, 62.5958



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2687, 57.0124, 60.6323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1059, 63.4923, 62.5958 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(134, 226, 197)` looks like.

```
.text, #text, p{  
    color:rgb(134, 226, 197)  
}
```

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(134, 226, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 226, 197) }
```

Border

The CSS property to change the border of an element to XYZ 47.1059, 63.4923, 62.5958 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(134, 226, 197) }
```


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

```
.border{ border-color:rgb(134, 226, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 226, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 226, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 226, 197);  
box-shadow:4px 4px 4px 4px rgb(134, 226,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1059, 63.4923, 62.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 226, 197) }
```

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

```
.background{ background-color: rgb(134,  
226, 197) }
```

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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