

Converting Colors

XYZ(46.5924, 61.2779, 43.9920)

Have a look what the booklet for
XYZ(46.5924, 61.2779, 43.9920)
contains.

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Color

**XYZ(46.5021, 61.2017,
44.0125)**

Conversions

Conversions Part 1

Format	Color
Hex	9FDCA3
RGB	159, 220, 163
RGB Percent	62%, 86%, 64%
CMY	0.3765, 0.1372, 0.3608
CMYK	0.28, 0.00, 0.26, 0.14
HSL	124°, 47%, 74%
HSV	124°, 28%, 86%
XYZ	46.5021, 61.2017, 44.0125
YIQ	195.2630, -18.0590, -30.6590

Conversions

Conversions Part 2

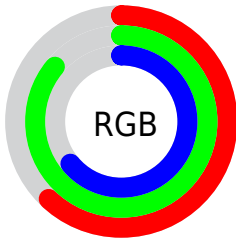
Format	Color
RYB	159, 216, 220
Decimal	10476707
CIELab	82.49, -30.53, 21.93
CIELCh	82, 37.586, 144.310
Yxy	61.2017, 0.3065, 0.4034
Android (android.graphics.Color)	4288666787 (0xFF9FDCA3)
YUV	195.2630, -15.9057, -31.8027
Hunter-Lab	78.2315, -30.8018, 21.4059

Details

The XYZ color **46.5021, 61.2017, 44.0125** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.3100, 44.9710, 70.7860**, and the grayscale version is **52.1295, 54.8443, 59.7254**.

A 20% lighter version of the original color is **76.4392, 91.0290, 79.8713**, and **22.2682, 31.1221, 19.8724** is the 20% darker color. If you saturate the color by 10%, you get **40.8270, 58.4736, 34.9012**, and if you desaturate by 10%, it is **53.2564, 64.4550, 54.7398**.

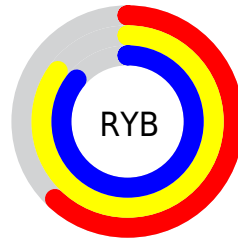
Distribution



Red (62%)

Green (86%)

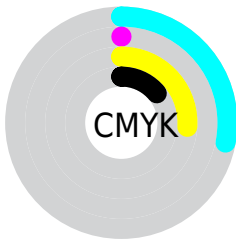
Blue (64%)



Red (62%)

Yellow (85%)

Blue (86%)

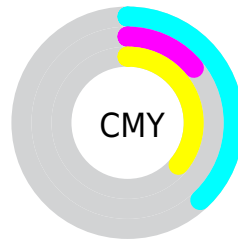


Cyan (28%)

Magenta (0%)

Yellow (26%)

Black (14%)



Cyan (38%)


Magenta (14%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5021, 61.2017, 44.0125 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 46.5021, 61.2017, 44.0125 by changing the saturation by 10% instead.


 46.5021, 61.2017,
44.0125


 46.5021, 61.2017,
44.0125


363.5058,
429.0132, 378.8021

 32.8485, 44.3880,
30.3431


 84.1932, 106.5709,
82.5392

 22.1691, 30.9756,
19.8449


 108.9614,
135.8952, 108.2336

 14.0985, 20.5803,
12.0994


138.1653,
170.1585, 138.7734

 8.2714, 12.8176,
6.6880

172.1701,
209.7451, 174.5771

 4.3223, 7.3030,
3.1923

211.3411,
255.0395, 216.0633

 1.8861, 3.6523,
1.1936

256.0439,

 0.5687, 1.4810,

306.4260, 263.6505

0.0000

306.6437,
364.2891, 317.7573

■ 0.0000, 0.2753,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5021, 61.2017,
44.0125

■ 46.5021, 61.2017,
44.0125

■ 40.8270, 58.4736,
34.9012

■ 53.2564, 64.4550,
54.7398

■ 36.1705, 56.2360,
27.3239

■ 61.1366, 68.2509,
67.1518

■ 32.4737, 54.4620,
21.1974

■ 70.1927, 72.6153,
81.3182

■ 29.6695, 53.1191,
16.4291

■ 80.4700, 77.5703,
97.3033

■ 27.6823, 52.1703,
12.9156

■ 84.8844, 79.6689,
105.5115

■ 26.4236, 51.5727,
10.5389

■ 25.7754, 51.2685,
9.1579

■ 25.6766, 51.2217,
8.9644

Harmonies

Analogous

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



52.0387, 61.2017, 33.8990



46.5021, 61.2017, 44.0125



44.1103, 61.2017, 62.3463

Triad

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



46.5021, 61.2017, 44.0125



56.6518, 61.2017, 121.0813



73.4182, 61.2017, 50.0312

Complementary

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



46.5021, 61.2017, 44.0125



54.3100, 44.9710, 70.7860

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.



74.9396, 61.2017, 71.1228



46.5021, 61.2017, 44.0125



64.7657, 61.2017, 115.6471

Square

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



46.5021, 61.2017, 44.0125



49.6138, 61.2017, 109.4260



71.6435, 61.2017, 95.9315



67.6582, 61.2017, 36.7725

Rectangle

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



46.5021, 61.2017, 44.0125



44.4464, 61.2017, 78.1846



71.6435, 61.2017, 95.9315



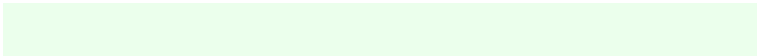
74.4632, 61.2017, 56.2886

Sweetspot

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



46.5037, 61.2043, 44.0139



85.0203, 95.1667, 93.1976



60.4543, 68.4368, 42.8246



17.8199, 20.1875, 19.3545



0.0000, 0.0000, 0.0000



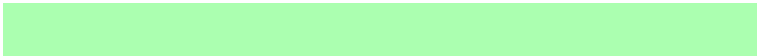
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5037, 61.2043, 44.0139



60.3950, 83.3103, 54.1634



49.4685, 62.3902, 59.6263



12.9210, 14.6200, 14.0469



15.0830, 30.0658, 5.3364



0.9896, 1.9528, 0.4112

Inverse Universe

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



54.3100, 44.9710, 70.7860



72.9486, 57.1988, 97.2119



50.8260, 43.5774, 52.4395



13.5756, 13.2593, 16.2923



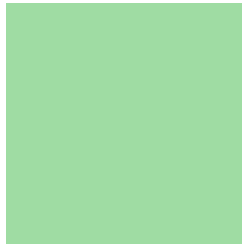
23.8462, 11.5395, 35.1656



1.5562, 0.7521, 2.3380

Previews

White Background



This preview shows how the XYZ color 46.5021, 61.2017, 44.0125 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 46.5021, 61.2017, 44.0125 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

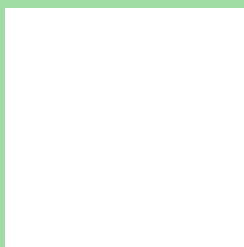
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5021, 61.2017, 44.0125

Background



This preview shows how black text looks on a background with the XYZ color 46.5021, 61.2017, 44.0125.

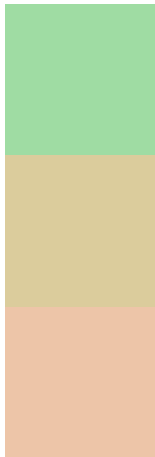


This preview shows how white text looks on a background with the XYZ color 46.5021, 61.2017,

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

46.5021, 61.2017, 44.0125

Protanopia

56.8070, 60.6461, 40.1643

Deuteranopia

61.9592, 60.7642, 45.5088



Tritanopia

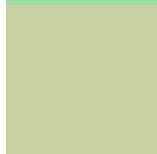
54.0924, 60.8479, 82.2926

Trichromacy



Original Color

46.5021, 61.2017, 44.0125



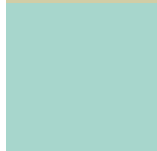
Protanomaly

52.3306, 60.4667, 41.7140



Deuteranomaly

55.0088, 59.9711, 44.7527



Tritanomaly

50.8820, 60.6683, 66.1551

Monochromacy



Original Color

46.5021, 61.2017, 44.0125



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.4315, 56.5497, 53.1096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5021, 61.2017, 44.0125 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(159, 220, 163)` looks like.

```
.text, #text, p{  
    color:rgb(159, 220, 163)  
}
```

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(159, 220, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 220, 163) }
```

Border

The CSS property to change the border of an element to XYZ 46.5021, 61.2017, 44.0125 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(159, 220, 163) }
```


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

```
.border{ border-color:rgb(159, 220, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 220, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 220, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 220, 163); box-shadow:4px 4px 4px 4px rgb(159, 220, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5021, 61.2017, 44.0125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 220, 163) }
```

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

```
.background{ background-color: rgb(159,  
220, 163) }
```

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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