

Converting Colors

XYZ(46.3913, 61.2526, 40.4305)

Have a look what the booklet for
XYZ(46.3913, 61.2526, 40.4305)
contains.

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Color

**XYZ(46.4099, 61.2343,
40.3837)**

Conversions

Conversions Part 1

Format	Color
Hex	A2DC9B
RGB	162, 220, 155
RGB Percent	64%, 86%, 61%
CMY	0.3647, 0.1372, 0.3921
CMYK	0.26, 0.00, 0.30, 0.14
HSL	114°, 48%, 74%
HSV	114°, 30%, 86%
XYZ	46.4099, 61.2343, 40.3837
YIQ	195.2480, -13.7030, -32.5110

Conversions

Conversions Part 2

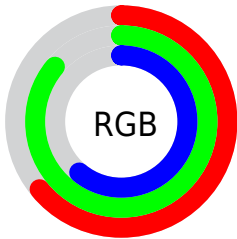
Format	Color
RYB	155, 220, 213
Decimal	10673307
CIELab	82.50, -30.86, 26.14
CIElCh	83, 40.444, 139.737
Yxy	61.2343, 0.3135, 0.4137
Android (android.graphics.Color)	4288863387 (0xFFA2DC9B)
YUV	195.2480, -19.8423, -29.1585
Hunter-Lab	78.2523, -31.0768, 24.1788

Details

The XYZ color **46.4099, 61.2343, 40.3837** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.0827, 42.7579, 73.2213**, and the grayscale version is **52.1415, 54.8569, 59.7391**.

A 20% lighter version of the original color is **76.3063, 91.0786, 74.5309**, and **22.2100, 31.1407, 17.6721** is the 20% darker color. If you saturate the color by 10%, you get **41.0470, 58.6658, 31.3511**, and if you desaturate by 10%, it is **52.7352, 64.2636, 51.2210**.

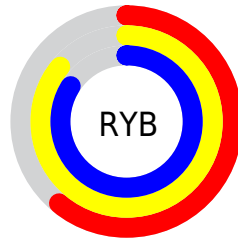
Distribution



Red (64%)

Green (86%)

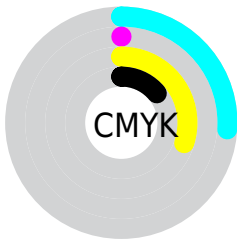
Blue (61%)



Red (61%)

Yellow (86%)

Blue (84%)

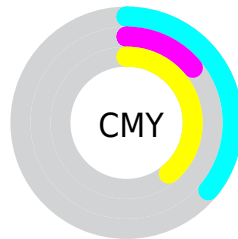


Cyan (26%)

Magenta (0%)

Yellow (30%)

Black (14%)



Cyan (36%)


Magenta (14%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4099, 61.2343, 40.3837 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 46.4099, 61.2343, 40.3837 by changing the saturation by 10% instead.


 46.4099, 61.2343,
40.3837


 46.4099, 61.2343,
40.3837


363.1425,
429.1326, 363.3382

 32.7754, 44.4143,
27.5218


 84.0562, 106.6181,
76.9909

 22.1128, 30.9963,
17.7296


 108.7988,
135.9507, 101.5733

 14.0569, 20.5961,
10.5886


137.9747,
170.2229, 130.8995

 8.2422, 12.8291,
5.6802

171.9493,
209.8192, 165.3883

 4.3034, 7.3109,
2.5860

211.0881,
255.1239, 205.4579

 1.8752, 3.6573,
0.8852

255.7563,

 0.5624, 1.4838,

306.5214, 251.5271

0.0000

306.3193,
364.3962, 304.0144

0.0000, 0.2773,
0.0000

0.0000, 0.0000,
0.0000

46.4099, 61.2343,
40.3837

46.4099, 61.2343,
40.3837

41.0470, 58.6658,
31.3511

52.7352, 64.2636,
51.2210

36.5946, 56.5282,
24.0216

60.0621, 67.7666,
63.9493

33.0033, 54.7999,
18.2894

68.4331, 71.7652,
78.6543

30.2168, 53.4547,
14.0354

77.8872, 76.2778,
95.4151

■ 28.1722, 52.4630,
11.1242

■ 84.8844, 79.6688,
105.5115

■ 26.7969, 51.7908,
9.3949

■ 25.9905, 51.3923,
8.5786

■ 25.9637, 51.3792,
8.5487

Harmonies

Analogous

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



52.7634, 61.2343, 31.1379



46.4099, 61.2343, 40.3837



43.3215, 61.2343, 58.5420

Triad

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



46.4099, 61.2343, 40.3837



55.2881, 61.2343, 125.3856



75.3019, 61.2343, 51.8470

Complementary

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



46.4099, 61.2343, 40.3837



52.0827, 42.7579, 73.2213

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.



76.1492, 61.2343, 75.5256



46.4099, 61.2343, 40.3837



64.0006, 61.2343, 122.3089

Square

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



46.4099, 61.2343, 40.3837



48.1003, 61.2343, 110.0269



71.8379, 61.2343, 102.4400



69.6260, 61.2343, 36.5309

Rectangle

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



46.4099, 61.2343, 40.3837



43.2997, 61.2343, 75.0584



71.8379, 61.2343, 102.4400



76.1809, 61.2343, 58.9380

Sweetspot

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



46.4115, 61.2369, 40.3850



84.4356, 94.9298, 90.2542



59.0820, 64.8807, 40.4206



17.7298, 20.1550, 18.7192



0.0000, 0.0000, 0.0000



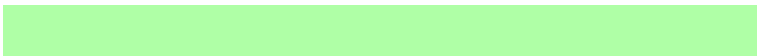
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4115, 61.2369, 40.3850



60.3801, 83.4197, 48.8755



47.3424, 61.4496, 52.5029



13.0160, 14.6730, 13.8717



15.2826, 30.1759, 5.0191



1.0350, 1.9781, 0.3273

Inverse Universe

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



52.0827, 42.7579, 73.2213



69.4333, 53.8844, 101.3489



51.0984, 42.6038, 57.2115



13.4691, 13.1999, 16.4901



21.0473, 9.9745, 40.5543



1.4039, 0.6670, 2.6292

Previews

White Background



This preview shows how the XYZ color 46.4099, 61.2343, 40.3837 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 46.4099, 61.2343, 40.3837 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

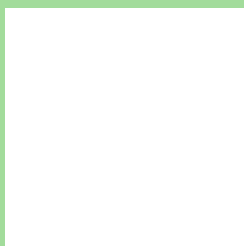
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4099, 61.2343, 40.3837

Background



This preview shows how black text looks on a background with the XYZ color 46.4099, 61.2343, 40.3837.



This preview shows how white text looks on a background with the XYZ color 46.4099, 61.2343,

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
46.4099, 61.2343, 40.3837
Protanopia
56.4534, 60.5395, 36.7269
Deuteranopia
61.6817, 60.3686, 41.6590



Tritanopia

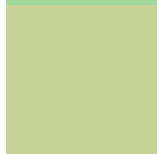
54.9771, 61.3039, 82.3340

Trichromacy



Original Color

46.4099, 61.2343, 40.3837



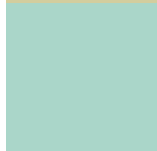
Protanomaly

52.1857, 60.4697, 38.1995



Deuteranomaly

54.8668, 59.9801, 41.0333



Tritanomaly

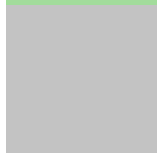
51.1667, 60.8562, 64.3080

Monochromacy



Original Color

46.4099, 61.2343, 40.3837



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.3595, 56.5483, 51.4934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4099, 61.2343, 40.3837 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(162, 220, 155)` looks like.

```
.text, #text, p{  
    color:rgb(162, 220, 155)  
}
```

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(162, 220, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 220, 155) }
```

Border

The CSS property to change the border of an element to XYZ 46.4099, 61.2343, 40.3837 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(162, 220, 155) }
```


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

```
.border{ border-color:rgb(162, 220, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 220, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 220, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 220, 155);  
box-shadow:4px 4px 4px 4px rgb(162, 220,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4099, 61.2343, 40.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 220, 155) }
```

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

```
.background{ background-color: rgb(162,  
220, 155) }
```

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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