

Converting Colors

XYZ(45.6320, 61.1847, 42.2056)

Have a look what the booklet for
XYZ(45.6320, 61.1847, 42.2056)
contains.

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Color

**XYZ(45.6320, 61.1847,
42.2056)**

Conversions

Conversions Part 1

Format	Color
Hex	9BDD9F
RGB	155, 221, 159
RGB Percent	61%, 87%, 62%
CMY	0.3922, 0.1333, 0.3765
CMYK	0.30, 0.00, 0.28, 0.13
HSL	124°, 49%, 74%
HSV	124°, 30%, 87%
XYZ	45.6320, 61.1847, 42.2056
YIQ	194.1980, -19.4340, -33.2740

Conversions

Conversions Part 2

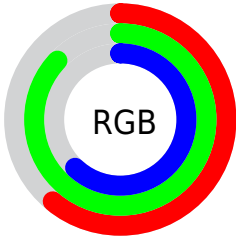
Format	Color
RYB	155, 217, 221
Decimal	10214815
CIELab	82.48, -32.96, 23.96
CIELCh	82, 40.751, 143.980
Yxy	61.1847, 0.3062, 0.4106
Android (android.graphics.Color)	4288404895 (0xFF9BDD9F)
YUV	194.1980, -17.3526, -34.3766
Hunter-Lab	78.2206, -32.7536, 22.7633

Details

The XYZ color **45.6320, 61.1847, 42.2056** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.0666, 43.8258, 71.2577**, and the grayscale version is **51.5045, 54.1868, 59.0094**.

A 20% lighter version of the original color is **74.7616, 90.2239, 77.0929**, and **21.7695, 31.1588, 18.7768** is the 20% darker color. If you saturate the color by 10%, you get **40.1198, 58.5358, 33.3204**, and if you desaturate by 10%, it is **52.2263, 64.3600, 52.7235**.

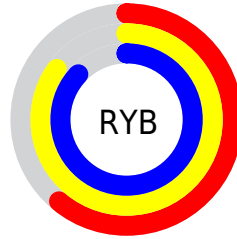
Distribution



Red (61%)

Green (87%)

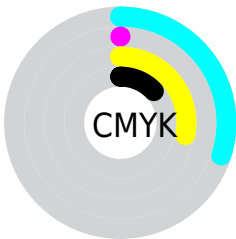
Blue (62%)



Red (61%)

Yellow (85%)

Blue (87%)

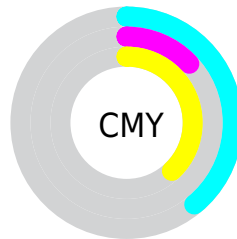


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (13%)



Cyan (39%)


Magenta (13%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6320, 61.1847, 42.2056 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 45.6320, 61.1847, 42.2056 by changing the saturation by 10% instead.


 45.6320, 61.1847,
42.2056


 45.6320, 61.1847,
42.2056


360.0680,
428.9509, 371.1593

 32.1589, 44.3742,
28.9355


 82.8992, 106.5463,
79.7841

 21.6390, 30.9648,
18.7869


 107.4241,
135.8663, 104.9297

 13.7070, 20.5721,
11.3412


136.3636,
170.1249, 134.8709

 7.9975, 12.8116,
6.1797

170.0830,
209.7065, 170.0261

 4.1452, 7.2989,
2.8841

208.9479,
254.9955, 210.8141

 1.7846, 3.6497,
1.0358

253.3234,

 0.5084, 1.4796,

306.3763, 257.6532

0.0000

303.5750,
364.2333, 310.9621

■ 0.0000, 0.2743,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6320, 61.1847,
42.2056

■ 45.6320, 61.1847,
42.2056

■ 40.1198, 58.5358,
33.3204

■ 52.2263, 64.3600,
52.7235

■ 35.6273, 56.3776,
25.9823

■ 59.9511, 68.0798,
64.9458

■ 32.0933, 54.6822,
20.1041

■ 68.8577, 72.3706,
78.9451

■ 29.4481, 53.4158,
15.5882

■ 78.9928, 77.2553,
94.7882

■ 27.6123, 52.5397,
12.3252

■ 85.1477, 80.1954,
105.5992

■ 26.4925, 52.0085,
10.1890

■ 25.9385, 51.7481,
9.0253

■ 25.9329, 51.7455,
9.0154

Harmonies

Analogous

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



51.6091, 61.1847, 31.7006



45.6320, 61.1847, 42.2056



43.0372, 61.1847, 61.7150

Triad

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



45.6320, 61.1847, 42.2056



56.4154, 61.1847, 126.6153



74.8392, 61.1847, 48.9642

Complementary

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



45.6320, 61.1847, 42.2056



54.0666, 43.8258, 71.2577

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.



76.4518, 61.1847, 71.7777



45.6320, 61.1847, 42.2056



65.2305, 61.1847, 120.7610

Square

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



45.6320, 61.1847, 42.2056



48.8504, 61.1847, 113.4359



72.7803, 61.1847, 98.9965



68.5702, 61.1847, 34.8665

Rectangle

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



45.6320, 61.1847, 42.2056



43.3684, 61.1847, 78.8933



72.7803, 61.1847, 98.9965



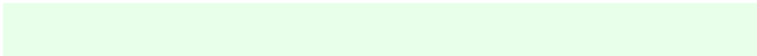
75.9683, 61.1847, 55.6901

Sweetspot

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



45.6336, 61.1873, 42.2070



83.8261, 94.5926, 91.2618



60.5993, 68.9418, 41.1239



17.5813, 20.0728, 18.9646



0.0000, 0.0000, 0.0000



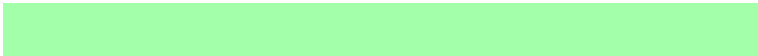
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6336, 61.1873, 42.2070



58.0446, 82.1834, 50.2242



48.8128, 62.4590, 58.9483



12.9184, 14.6190, 14.0331



15.0780, 30.0638, 5.3102



0.9883, 1.9523, 0.4046

Inverse Universe

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



54.0666, 43.8258, 71.2577



71.5396, 54.3922, 96.7070



50.2673, 42.3061, 51.2510



13.5785, 13.2605, 16.3077



23.9231, 11.5703, 35.5705



1.5604, 0.7538, 2.3601

Previews

White Background



This preview shows how the XYZ color 45.6320, 61.1847, 42.2056 looks on a white background.

Color Contrast Check

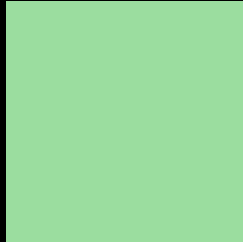
Large Text (above 18pt) WCAG AA × Fail

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 45.6320, 61.1847, 42.2056 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 45.6320, 61.1847, 42.2056

Background



This preview shows how black text looks on a background with the XYZ color 45.6320, 61.1847, 42.2056.



This preview shows how white text looks on a background with the XYZ color 45.6320, 61.1847,

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
45.6320, 61.1847, 42.2056
Protanopia
56.3922, 60.4802, 37.9798
Deuteranopia
61.7007, 60.3373, 43.5163



Tritanopia

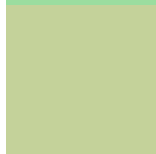
53.8348, 61.0689, 83.0788

Trichromacy



Original Color

45.6320, 61.1847, 42.2056



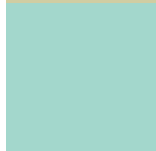
Protanomaly

51.6443, 60.1620, 39.4623



Deuteranomaly

54.3653, 59.6812, 42.8367



Tritanomaly

50.3038, 60.7470, 66.2008

Monochromacy



Original Color

45.6320, 61.1847, 42.2056



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.7557, 56.2252, 51.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6320, 61.1847, 42.2056 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(155, 221, 159)` looks like.

```
.text, #text, p{  
    color:rgb(155, 221, 159)  
}
```

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(155, 221, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 221, 159) }
```

Border

The CSS property to change the border of an element to XYZ 45.6320, 61.1847, 42.2056 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(155, 221, 159) }
```


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

```
.border{ border-color:rgb(155, 221, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 221, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 221, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 221, 159);  
box-shadow:4px 4px 4px 4px rgb(155, 221,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6320, 61.1847, 42.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 221, 159) }
```

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

```
.background{ background-color: rgb(155,  
221, 159) }
```

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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