

Converting Colors

XYZ(45.5715, 62.5593, 40.9221)

Have a look what the booklet for
XYZ(45.5715, 62.5593, 40.9221)
contains.

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Color

**XYZ(45.4189, 62.2909,
41.0820)**

Conversions

Conversions Part 1

Format	Color
Hex	97E09C
RGB	151, 224, 156
RGB Percent	59%, 88%, 61%
CMY	0.4078, 0.1216, 0.3882
CMYK	0.33, 0.00, 0.30, 0.12
HSL	124°, 54%, 74%
HSV	124°, 33%, 88%
XYZ	45.4189, 62.2909, 41.0820
YIQ	194.4210, -21.6800, -36.6240

Conversions

Conversions Part 2

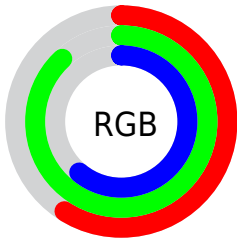
Format	Color
RYB	151, 219, 224
Decimal	9953436
CIELab	83.07, -36.11, 26.29
CIElCh	83, 44.667, 143.949
Yxy	62.2909, 0.3053, 0.4186
Android (android.graphics.Color)	4288143516 (0xFF97E09C)
YUV	194.4210, -18.9416, -38.0802
Hunter-Lab	78.9246, -35.3962, 24.3854

Details

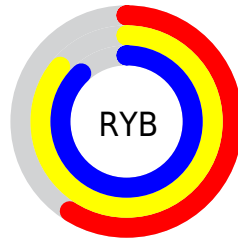
The XYZ color **45.4189, 62.2909, 41.0820** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.5953, 43.0963, 72.4612**, and the grayscale version is **51.6470, 54.3367, 59.1726**.

A 20% lighter version of the original color is **73.2500, 89.4885, 75.0403**, and **21.4311, 31.5461, 18.0562** is the 20% darker color. If you saturate the color by 10%, you get **40.0324, 59.7028, 32.3858**, and if you desaturate by 10%, it is **51.9021, 65.4129, 51.4165**.

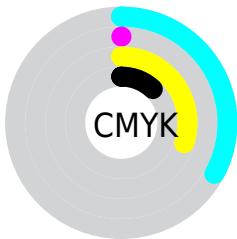
Distribution



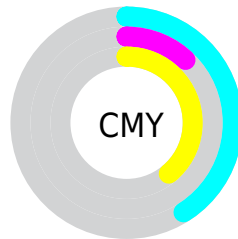
- Red (59%)
- Green (88%)
- Blue (61%)



- Red (59%)
- Yellow (86%)
- Blue (88%)



- Cyan (33%)
- Magenta (0%)
- Yellow (30%)
- Black (12%)



- Cyan (41%)
- Magenta (12%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4189, 62.2909, 41.0820 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 45.4189, 62.2909, 41.0820 by changing the saturation by 10% instead.

 45.4189, 62.2909,
41.0820

 45.4189, 62.2909,
41.0820


359.2227,
432.9914, 366.3500

 31.9902, 45.2678,
28.0630


 82.5819, 108.1459,
78.0634

 21.5095, 31.6684,
18.1337


 107.0468,
137.7465, 102.8628

 13.6115, 21.1084,
10.8756


135.9212,
172.3084, 132.4261

 7.9309, 13.2032,
5.8701

169.5705,
212.2161, 167.1719

 4.1022, 7.5686,
2.6988

208.3599,
257.8538, 207.5186

 1.7601, 3.8202,
0.9428

252.6548,

 0.4935, 1.5735,

309.6060, 253.8849

0.0000

302.8206,
367.8571, 306.6891

0.0000, 0.3396,
0.0000

0.0000, 0.0000,
0.0000

45.4189, 62.2909,
41.0820

45.4189, 62.2909,
41.0820

40.0324, 59.7028,
32.3858

51.9021, 65.4129,
51.4165

35.6772, 57.6113,
25.2401

59.5327, 69.0879,
63.4630

32.2889, 55.9868,
19.5548

68.3645, 73.3438,
77.2956

29.7934, 54.7935,
15.2293

78.4460, 78.2043,
92.9831

■ 28.1060, 53.9900,
12.1500

■ 85.9469, 81.7937,
105.8656

■ 27.1257, 53.5271,
10.1851

■ 26.7456, 53.3492,
9.3527

Harmonies

Analogous

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



51.9795, 62.2909, 29.8915



45.4189, 62.2909, 41.0820



42.5850, 62.2909, 62.3684

Triad

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



45.4189, 62.2909, 41.0820



57.2687, 62.2909, 135.6906



77.8604, 62.2909, 48.4367

Complementary

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



45.4189, 62.2909, 41.0820



54.5953, 43.0963, 72.4612

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.



79.6700, 62.2909, 73.5892



45.4189, 62.2909, 41.0820



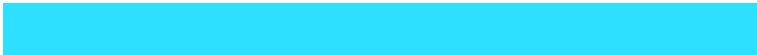
67.0722, 62.2909, 129.0009

Square

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



45.4189, 62.2909, 41.0820



48.9309, 62.2909, 120.5807



75.5331, 62.2909, 104.2048



70.8265, 62.2909, 33.2589

Rectangle

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



45.4189, 62.2909, 41.0820



42.9428, 62.2909, 81.4765



75.5331, 62.2909, 104.2048



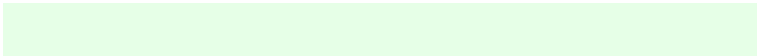
79.1295, 62.2909, 55.7891

Sweetspot

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



45.4205, 62.2935, 41.0834



82.6916, 94.0439, 89.5782



61.4977, 70.6296, 39.6703



17.3563, 19.9640, 18.6348



0.0000, 0.0000, 0.0000



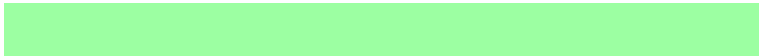
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4205, 62.2935, 41.0834



55.9373, 81.1647, 47.0698



48.9750, 63.7153, 59.8013



13.5667, 15.3524, 14.7534



15.5822, 31.0577, 5.5230



1.0936, 2.1582, 0.4542

Inverse Universe

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



54.5953, 43.0963, 72.4612



70.0255, 51.6751, 95.2430



50.3181, 41.3854, 49.9375



14.2524, 13.9186, 17.0991



24.5847, 11.9009, 36.0745



1.7164, 0.8298, 2.5656

Previews

White Background



This preview shows how the XYZ color 45.4189, 62.2909, 41.0820 looks on a white background.

Color Contrast Check

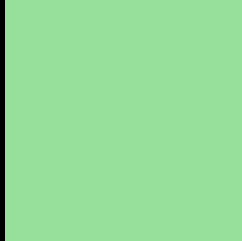
Large Text (above 18pt) WCAG AA × Fail

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 45.4189, 62.2909, 41.0820 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

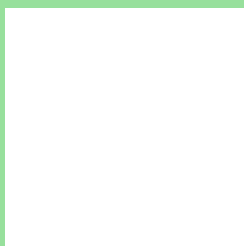
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4189, 62.2909, 41.0820

Background



This preview shows how black text looks on a background with the XYZ color 45.4189, 62.2909, 41.0820.



This preview shows how white text looks on a background with the XYZ color 45.4189, 62.2909,

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

45.4189, 62.2909, 41.0820

Protanopia

57.5408, 61.8103, 36.9148

Deuteranopia

62.9913, 61.6976, 42.7712



Tritanopia

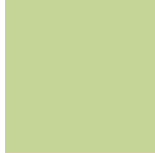
54.1291, 61.9187, 85.4425

Trichromacy



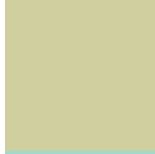
Original Color

45.4189, 62.2909, 41.0820



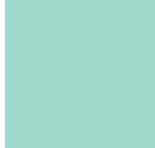
Protanomaly

52.1451, 61.5586, 38.4118



Deuteranomaly

54.6704, 60.5736, 42.0681



Tritanomaly

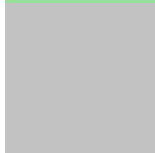
50.4677, 61.9760, 66.4294

Monochromacy



Original Color

45.4189, 62.2909, 41.0820



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.4296, 56.4229, 51.5182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4189, 62.2909, 41.0820 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(151, 224, 156)` looks like.

```
.text, #text, p{  
    color:rgb(151, 224, 156)  
}
```

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(151, 224, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 224, 156) }
```

Border

The CSS property to change the border of an element to XYZ 45.4189, 62.2909, 41.0820 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(151, 224, 156) }
```


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

```
.border{ border-color:rgb(151, 224, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 224, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 224, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 224, 156); box-shadow:4px 4px 4px 4px rgb(151, 224, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4189, 62.2909, 41.0820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 224, 156) }
```

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

```
.background{ background-color: rgb(151,  
224, 156) }
```

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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