Converting Colors

XYZ(59.2592, 82.9701, 43.0285)

Have a look what the booklet for XYZ(59.2592, 82.9701, 43.0285) contains.

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Color

XYZ(59.1890, 82.9339, 43.0252)

Conversions

Conversions Part 1

Format	Color
Hex	AFFF99
RGB	175, 255, 153
RGB Percent	69%, 100%, 60%
CMY	0.3137, 0.0000, 0.4000
CMYK	0.31, 0.00, 0.40, 0.00
HSL	107°, 100%, 80%
HSV	107°, 40%, 100%
XYZ	59.1890, 82.9339, 43.0252
YIQ	219.4520, -14.9380, -48.6820

Conversions

Conversions Part 2

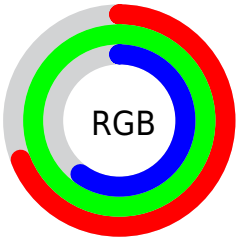
Format	Color
RYB	153, 255, 233
Decimal	11534233
CIELab	92.99, -42.79, 41.14
CIELCh	93, 59.360, 136.123
Yxy	82.9339, 0.3197, 0.4479
Android (android.graphics.Color)	4289724313 (0xFFAFFF99)
YUV	219.4520, -32.7608, -38.9844
Hunter-Lab	91.0681, -43.3543, 35.7360

Details

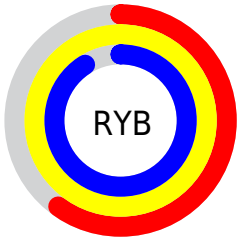
The XYZ color 59.1890, 82.9339, 43.0252 is a light color, and the websafe version is hex 99FF99. A complement of this color would be 63.0466, 47.3273, 100.4199, and the grayscale version is 67.8737, 71.4084, 77.7637.

A 20% lighter version of the original color is 80.7494, 93.3977, 73.4461, and 30.1021, 45.2302, 19.2003 is the 20% darker color. If you saturate the color by 10%, you get 53.1413, 80.0341, 32.8982, and if you desaturate by 10%, it is 66.3525, 86.3568, 55.5560.

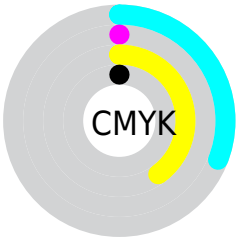
Distribution



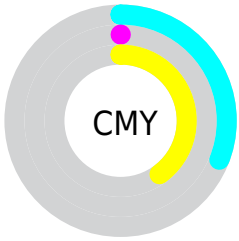
- Red (69%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1890, 82.9339, 43.0252 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 59.1890, 82.9339, 43.0252 by changing the saturation by 10% instead.

59.1890, 82.9339, 43.0252

59.1890, 82.9339, 43.0252

411.4848, 504.7662, 374.6397

43.0122, 62.1356, 29.5733

102.7654, 137.4829, 81.0357

30.0893, 45.1423, 19.2657

130.8957, 172.0024, 106.4313

20.0548, 31.5695, 11.6836

163.7412, 211.8644, 136.6453

12.5434, 21.0329, 6.4087

201.6673, 257.4533, 172.0963

7.1897, 13.1481, 3.0224

245.0394, 309.1536, 213.2026

3.6284, 7.5306, 1.1061

294.2227,

1.4941, 3.7961,

367.3496, 260.3829

0.0000

349.5828, 432.4256, 314.0558

0.3218, 1.5602, 0.0000

0.0000, 0.3305, 0.0000

59.1890, 82.9339, 43.0252

59.1890, 82.9339, 43.0252

53.1413, 80.0341, 32.8982

66.3525, 86.3568, 55.5560

48.1501, 77.6303, 25.0175

74.6842, 90.3271, 70.6271

44.1523, 75.6937, 19.2128

84.2347, 94.8678, 88.3690

41.0769, 74.1919, 15.2878

95.0500, 100.0000, 108.9000

38.8425, 73.0882, 13.0086

37.3355, 72.3322, 11.9938

37.3354, 72.3321, 11.9937

Harmonies

Analogous

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

70.8157, 82.9339, 30.5142

59.1890, 82.9339, 43.0252

53.2300, 82.9339, 71.2921

Triad

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

59.1890, 82.9339, 43.0252

71.8746, 82.9339, 201.4654

111.1579, 82.9339, 68.5593

Complementary

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

59.1890, 82.9339, 43.0252

63.0466, 47.3273, 100.4199

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.

111.5397, 82.9339, 112.4198

59.1890, 82.9339, 43.0252

87.4190, 82.9339, 199.9863

Square

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

59.1890, 82.9339, 43.0252

59.8760, 82.9339, 167.1017

102.3872, 82.9339, 163.5511

101.4042, 82.9339, 41.5940

Rectangle

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

59.1890, 82.9339, 43.0252

52.6917, 82.9339, 99.7404

102.3872, 82.9339, 163.5511

112.4264, 82.9339, 81.4766

Sweetspot

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

59.1894, 82.9341, 43.0265

82.2237, 93.9124, 84.5990

76.1008, 81.7816, 41.9127

17.3241, 19.9704, 17.5937

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.

59.1894, 82.9341, 43.0265

54.2638, 80.5732, 34.7379

57.3308, 81.6659, 56.9443

18.1377, 20.3569, 19.1176

19.6097, 37.8473, 6.2717

1.9966, 3.7300, 0.6147

Inverse Universe

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

63.0466, 47.3273, 100.4199

58.5690, 40.4783, 99.3339

66.3730, 49.5399, 78.0880

18.3867, 18.0911, 22.7728

22.0096, 10.2569, 50.2543

2.2337, 1.0455, 4.8973

Previews

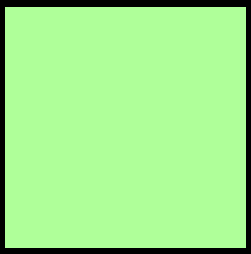
White Background

This preview shows how the XYZ color 59.1890, 82.9339, 43.0252 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



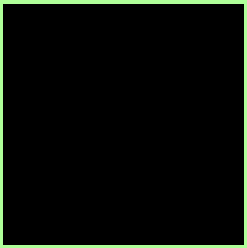
This preview shows how the XYZ color 59.1890, 82.9339, 43.0252 looks on a black background.

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 59.1890, 82.9339, 43.0252 Background



This preview shows how black text looks on a background with the XYZ color 59.1890, 82.9339, 43.0252.

This preview shows how white text looks on a background with the XYZ color 59.1890, 82.9339,

43.0252.

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
59.1890, 82.9339, 43.0252

Protanopia
75.8511, 82.1810, 39.0589

Deuteranopia
80.3999, 81.7549, 69.9353

Tritanopia
74.1119, 82.3775, 106.6021

Trichromacy

Original Color
59.1890, 82.9339, 43.0252

Protanomaly
68.5410, 81.8429, 40.6185

Deuteranomaly
70.9082, 80.9057, 58.8928

Tritanomaly
67.2996, 81.7042, 78.5531

Monochromacy

Original Color
59.1890, 82.9339, 43.0252

Achromatopsia
67.3311, 70.8376, 77.1421

Achromatomaly
63.3355, 74.3499, 62.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1890, 82.9339, 43.0252 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(175, 255, 153) looks like.

```
.text, #text, p{
    color:rgb(175, 255, 153)
}
```

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(175, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 59.1890, 82.9339, 43.0252 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(175, 255, 153) }
```

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

```
.border{ border-color:rgb(175, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(175, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 255, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 255, 153); box-shadow:4px 4px 4px 4px rgb(175, 255, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1890, 82.9339, 43.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(175, 255, 153) }
```

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

```
.background{ background-color:rgb(175,
255, 153) }
```

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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