Converting Colors

XYZ(59.7796, 82.8664, 51.3727)

Have a look what the booklet for XYZ(59.7796, 82.8664, 51.3727) contains.

Color

XYZ(59.9053, 83.1182, 51.4142)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFAB
RGB	171, 255, 171
RGB Percent	67%, 100%, 67%
CMY	0.3294, 0.0000, 0.3294
CMYK	0.33, 0.00, 0.33, 0.00
HSL	120°, 100%, 84%
HSV	120°, 33%, 100%
XYZ	59.9053, 83.1182, 51.4142
YIQ	220.3080, -23.1000, -43.9320

Conversions

Conversions Part 2

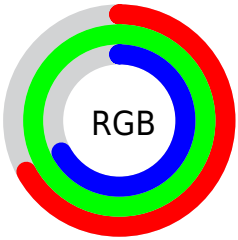
Format	Color
RYB	171, 255, 255
Decimal	11272107
CIELab	93.07, -41.42, 32.30
CIELCh	93, 52.528, 142.050
Yxy	83.1182, 0.3081, 0.4275
Android (android.graphics.Color)	4289462187 (0xFFABFFAB)
YUV	220.3080, -24.3088, -43.2431
Hunter-Lab	91.1692, -42.2576, 30.3823

Details

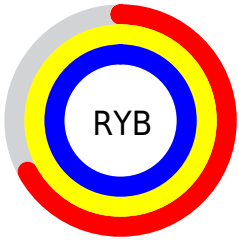
The XYZ color 59.9053, 83.1182, 51.4142 is a light color, and the websafe version is hex 99FF99. A complement of this color would be 73.8529, 57.6062, 101.8332, and the grayscale version is 68.4185, 71.9816, 78.3879.

A 20% lighter version of the original color is 81.6200, 93.5600, 86.4301, and 30.6666, 45.4092, 24.2881 is the 20% darker color. If you saturate the color by 10%, you get 52.6753, 79.6453, 39.5887, and if you desaturate by 10%, it is 68.6767, 87.3315, 65.7618.

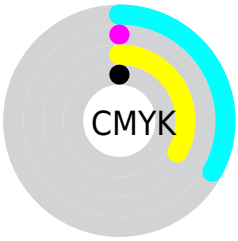
Distribution



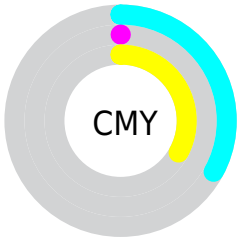
- Red (67%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (100%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9053, 83.1182, 51.4142 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 59.9053, 83.1182, 51.4142 by changing the saturation by 10% instead.

59.9053, 83.1182, 51.4142

59.9053, 83.1182, 51.4142

414.0890, 505.3804, 409.0633

43.5915, 62.2877, 36.1593

103.7994, 137.7410, 93.6845

30.5460, 45.2652, 24.2666

132.1104, 172.3020, 121.5370

20.4035, 31.6664, 15.3175

165.1512, 212.2087, 154.4258

12.7987, 21.1068, 8.8934

203.2871, 257.8454, 192.7695

7.3661, 13.2021, 4.5759

246.8834, 309.5966, 236.9865

3.7404, 7.5678, 1.9463

296.3056,

1.5564, 3.8197,

367.8465, 287.4955

0.5219

351.9190, 432.9796, 344.7149

0.3637, 1.5732, 0.0000

0.0000, 0.3394, 0.0000

59.9053, 83.1182, 51.4142

59.9053, 83.1182, 51.4142

52.6753, 79.6453, 39.5887

68.6767, 87.3315, 65.7618

46.8963, 76.8693, 30.1360

79.0697, 92.3238, 82.7614

42.4707, 74.7435, 22.8971

91.1608, 98.1318, 102.5386

39.2886, 73.2150, 17.6921

95.0500, 100.0000, 108.9000

37.2228, 72.2226, 14.3129

36.1187, 71.6923, 12.5068

35.7600, 71.5200, 11.9201

Harmonies

Analogous

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

69.4711, 83.1182, 36.8363

59.9053, 83.1182, 51.4142

55.5696, 83.1182, 80.4116

Triad

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

59.9053, 83.1182, 51.4142

75.3948, 83.1182, 188.3102

106.1757, 83.1182, 64.9114

Complementary

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

59.9053, 83.1182, 51.4142

73.8529, 57.6062, 101.8332

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.

108.2378, 83.1182, 101.4022

59.9053, 83.1182, 51.4142

89.3656, 83.1182, 180.5661

Square

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

59.9053, 83.1182, 51.4142

63.8091, 83.1182, 164.4459

101.7771, 83.1182, 145.6135

96.4317, 83.1182, 42.9033

Rectangle

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

59.9053, 83.1182, 51.4142

55.8301, 83.1182, 107.2752

101.7771, 83.1182, 145.6135

107.8325, 83.1182, 75.5744

Sweetspot

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

59.9058, 83.1184, 51.4155

82.4457, 93.9455, 88.2836

84.3508, 95.7203, 52.5588

17.2975, 19.9404, 18.3250

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.

59.9058, 83.1184, 51.4155

54.6468, 80.5923, 42.8134

64.5652, 84.9822, 75.9515

17.7717, 20.1682, 19.1006

18.6854, 37.3707, 6.2285

1.8193, 3.6387, 0.6065

Inverse Universe

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

73.8529, 57.6062, 101.8332

70.6810, 51.2624, 100.7757

67.8135, 55.1904, 70.0299

18.7927, 18.3004, 22.7917

30.9800, 14.8813, 50.6723

3.0164, 1.4489, 4.9338

Previews

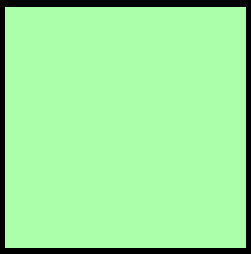
White Background

This preview shows how the XYZ color 59.9053, 83.1182, 51.4142 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



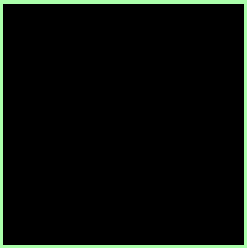
This preview shows how the XYZ color 59.9053, 83.1182, 51.4142 looks on a black background.

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 59.9053, 83.1182, 51.4142 Background



This preview shows how black text looks on a background with the XYZ color 59.9053, 83.1182, 51.4142.

This preview shows how white text looks on a background with the XYZ color 59.9053, 83.1182,

51.4142.

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
59.9053, 83.1182, 51.4142

Protanopia
76.4524, 82.3369, 46.0456

Deuteranopia
80.7679, 81.9021, 71.8734

Tritanopia
74.1339, 82.8271, 106.6877

Trichromacy

Original Color
59.9053, 83.1182, 51.4142

Protanomaly
68.9751, 81.9088, 47.7719

Deuteranomaly
71.1653, 80.9365, 63.5013

Tritanomaly
67.8962, 82.3697, 82.8414

Monochromacy

Original Color
59.9053, 83.1182, 51.4142

Achromatopsia
68.0267, 71.5694, 77.9390

Achromatomaly
64.1567, 75.0987, 66.9912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9053, 83.1182, 51.4142 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(171, 255, 171) looks like.

```
.text, #text, p{
    color:rgb(171, 255, 171)
}
```

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(171, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 59.9053, 83.1182, 51.4142 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(171, 255, 171) }
```

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

```
.border{ border-color:rgb(171, 255, 171) }
```

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

Here you see how a box with a 4 pixel rgb(171, 255, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 171); box-shadow:4px 4px 4px 4px rgb(171, 255, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9053, 83.1182, 51.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(171, 255, 171) }
```

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

```
.background{ background-color:rgb(171,
255, 171) }
```

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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