Converting Colors

XYZ(58.3590, 76.3034, 83.4251)

Have a look what the booklet for XYZ(58.3590, 76.3034, 83.4251) contains.

Color

XYZ(58.4726, 76.5819, 83.6515)

Conversions

Conversions Part 1

Format	Color
Hex	95F4E2
RGB	149, 244, 226
RGB Percent	58%, 96%, 89%
CMY	0.4157, 0.0431, 0.1137
CMYK	0.39, 0.00, 0.07, 0.04
HSL	169°, 81%, 77%
HSV	169°, 39%, 96%
XYZ	58.4726, 76.5819, 83.6515
YIQ	213.5430, -50.8420, -25.7380

Conversions

Conversions Part 2

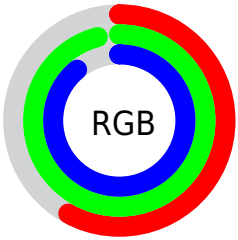
Format	Color
RYB	149, 201, 244
Decimal	9827554
CIELab	90.13, -32.20, -0.19
CIELCh	90, 32.205, 180.347
Yxy	76.5819, 0.2674, 0.3502
Android (android.graphics.Color)	4288017634 (0xFF95F4E2)
YUV	213.5430, 6.1413, -56.6042
Hunter-Lab	87.5111, -33.8754, 4.5827

Details

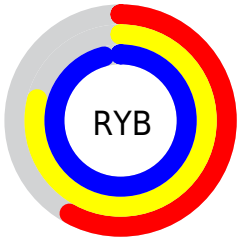
The XYZ color 58.4726, 76.5819, 83.6515 is a light color, and the websafe version is hex 99FFFF. A complement of this color would be 55.0334, 43.5201, 42.0618, and the grayscale version is 63.5959, 66.9078, 72.8626.

A 20% lighter version of the original color is 79.5421, 92.0054, 108.1742, and 29.5346, 40.7562, 44.8382 is the 20% darker color. If you saturate the color by 10%, you get 53.8532, 74.2748, 80.1691, and if you desaturate by 10%, it is 64.0460, 79.3827, 87.2712.

Distribution

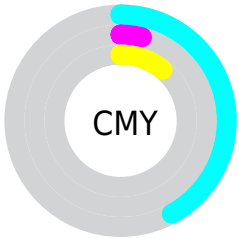


- Red (58%)
- Green (96%)
- Blue (89%)



- Red (58%)
- Yellow (79%)
- Blue (96%)

- Cyan (39%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (42%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4726, 76.5819, 83.6515 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 58.4726, 76.5819, 83.6515 by changing the saturation by 10% instead.

58.4726, 76.5819, 83.6515

58.4726, 76.5819, 83.6515

408.8702, 483.3373, 527.1830

42.4334, 56.9098, 62.1840

101.7298, 128.5491, 140.3450

29.6334, 40.9328, 44.7447

129.6785, 161.6130, 176.4080

19.7072, 28.2666, 30.9149

162.3278, 199.9096, 218.1733

12.2894, 18.5267, 20.2761

200.0430, 243.8234, 266.0595

7.0147, 11.3288, 12.4098

243.1895, 293.7386, 320.4850

3.5177, 6.2884, 6.8975

292.1326,

1.4331, 3.0213,

350.0398, 381.8684

347.2377, 413.1112, 450.6282

3.3206

0.2796, 1.1428, 1.2606

0.0000, 0.0143, 0.0292

58.4726, 76.5819, 83.6515

58.4726, 76.5819, 83.6515

53.8532, 74.2748, 80.1691

64.0460, 79.3827, 87.2712

50.1224, 72.4218, 76.8152

70.6207, 82.6958, 91.0262

47.2169, 70.9924, 73.5879

78.2484, 86.5497, 94.9211

45.0621, 69.9481, 70.4830

86.9755, 90.9684, 98.9589

43.5695, 69.2432, 67.4955

90.7098, 92.8111, 102.8550

42.6075, 68.8099, 64.6187

91.4405, 93.1034, 106.7032

42.5180, 68.7704, 64.3177

91.6420, 93.1840, 107.7640

Harmonies

Analogous

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

60.2295, 76.5819, 63.4436

58.4726, 76.5819, 83.6515

60.3116, 76.5819, 107.6659

Triad

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

58.4726, 76.5819, 83.6515

80.8355, 76.5819, 127.4434

80.6627, 76.5819, 50.6766

Complementary

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

58.4726, 76.5819, 83.6515

55.0334, 43.5201, 42.0618

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.

86.8781, 76.5819, 63.0596

58.4726, 76.5819, 83.6515

86.9829, 76.5819, 107.1194

Square

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

58.4726, 76.5819, 83.6515

72.8819, 76.5819, 135.6154

89.2695, 76.5819, 83.1184

72.6958, 76.5819, 46.6516

Rectangle

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

58.4726, 76.5819, 83.6515

63.4126, 76.5819, 122.0839

89.2695, 76.5819, 83.1184

83.0465, 76.5819, 53.8725

Sweetspot

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

58.4748, 76.5850, 83.6533

83.7549, 94.2834, 103.5714

53.9263, 75.1993, 40.1080

17.6866, 20.0590, 22.0473

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.

58.4748, 76.5850, 83.6533

60.3824, 82.5260, 89.3057

53.1539, 61.7798, 94.7146

16.8541, 18.7008, 20.5162

23.1663, 37.4114, 35.2250

2.0700, 3.3017, 3.2745

Inverse Universe

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

55.0334, 43.5201, 42.0618

56.0845, 41.0937, 37.2611

58.5567, 53.0476, 35.5882

16.6274, 16.5338, 17.7846

20.5936, 10.5809, 2.5685

1.8440, 0.9436, 0.4050

Previews

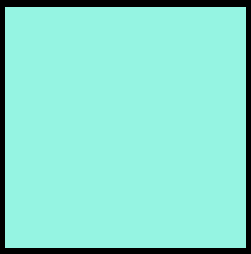
White Background

This preview shows how the XYZ color 58.4726, 76.5819, 83.6515 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



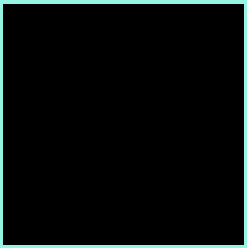
This preview shows how the XYZ color 58.4726, 76.5819, 83.6515 looks on a black background.

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 58.4726, 76.5819, 83.6515 Background



This preview shows how black text looks on a background with the XYZ color 58.4726, 76.5819, 83.6515.

This preview shows how white text looks on a background with the XYZ color 58.4726, 76.5819,

83.6515.

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
58.4726, 76.5819, 83.6515

Protanopia
72.4697, 75.9125, 75.1230

Deuteranopia
77.4115, 75.8450, 86.1608

Tritanopia
64.5609, 76.5846, 105.9873

Trichromacy

Original Color
58.4726, 76.5819, 83.6515

Protanomaly
65.9999, 75.3843, 78.0899

Deuteranomaly
68.4646, 74.8456, 84.9669

Tritanomaly
61.9864, 76.3254, 97.0532

Monochromacy

Original Color
58.4726, 76.5819, 83.6515

Achromatopsia
63.9157, 67.2443, 73.2291

Achromatomaly
60.8153, 69.8595, 76.6086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4726, 76.5819, 83.6515 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(149, 244, 226) looks like.

```
.text, #text, p{
    color:rgb(149, 244, 226)
}
```

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(149, 244, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 244, 226) }
```

Border

The CSS property to change the border of an element to XYZ 58.4726, 76.5819, 83.6515 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(149, 244, 226) }
```

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

```
.border{ border-color:rgb(149, 244, 226) }
```

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

Here you see how a box with a 4 pixel rgb(149, 244, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 244, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 244, 226); box-shadow:4px 4px 4px 4px rgb(149, 244, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4726, 76.5819, 83.6515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(149, 244, 226) }
```

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

```
.background{ background-color:rgb(149,
244, 226) }
```

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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