Converting Colors

XYZ(85.2148, 93.3076, 108.1266)

Have a look what the booklet for XYZ(85.2148, 93.3076, 108.1266) contains.

Color

XYZ(85.4935, 93.6638, 108.1807)

Conversions

Conversions Part 1

Format	Color
Hex	E6FCFF
RGB	230, 252, 255
RGB Percent	90%, 99%, 100%
CMY	0.0980, 0.0117, 0.0000
CMYK	0.10, 0.01, 0.00, 0.00
HSL	187°, 100%, 95%
HSV	187°, 10%, 100%
XYZ	85.4935, 93.6638, 108.1807
YIQ	245.7640, -14.0750, -3.7310

Conversions

Conversions Part 2

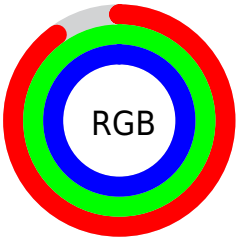
Format	Color
RYB	230, 242, 255
Decimal	15138047
CIELab	97.50, -6.56, -3.89
CIELCh	97, 7.621, 210.657
Yxy	93.6638, 0.2975, 0.3260
Android (android.graphics.Color)	4293328127 (0xFFE6FCFF)
YUV	245.7640, 4.5533, -13.8250
Hunter-Lab	96.7801, -11.6819, 1.4717

Details

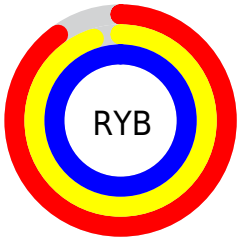
The XYZ color 85.4935, 93.6638, 108.1807 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 84.6611, 85.2491, 86.8570, and the grayscale version is 87.3813, 91.9320, 100.1139.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 47.1637, 52.1061, 60.9978 is the 20% darker color. If you saturate the color by 10%, you get 76.9502, 87.8495, 107.5087, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

Distribution

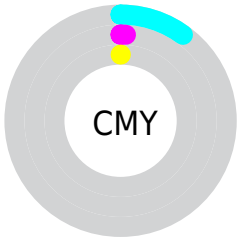


- Red (90%)
- Green (99%)
- Blue (100%)



- Red (90%)
- Yellow (95%)
- Blue (100%)

- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.4935, 93.6638, 108.1807 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 85.4935, 93.6638, 108.1807 by changing the saturation by 10% instead.

85.4935, 93.6638, 108.1807

85.4935, 93.6638, 108.1807

501.7187, 539.8784, 607.5836

64.5731, 71.0234, 82.4951

139.9729, 152.4173, 174.5043

47.3784, 52.3613, 61.2355

174.2627, 189.2991, 215.9794

33.5441, 37.2931, 43.9835

213.7396, 231.6969, 263.5547

22.7048, 25.4345, 30.3204

258.7690, 279.9950, 317.6488

14.4952, 16.4011, 19.8278

309.7162, 334.5778, 378.6802

8.5499, 9.8084, 12.0871

366.9467,

4.5035, 5.2721,

395.8297, 447.0674

430.8257, 464.1351, 523.2290

6.6798

1.9907, 2.4078, 3.1873

0.6288, 0.8299, 1.1910

85.4935, 93.6638, 108.1807

76.9502, 87.8495, 107.5087

69.5651, 82.6525, 106.8948

63.2851, 78.0478, 106.3370

58.0499, 74.0043, 105.8325

85.4935, 93.6638, 108.1807

95.0500, 100.0000, 108.9000

53.7934, 70.4879, 105.3781

50.4420, 67.4603, 104.9703

47.9113, 64.8782, 104.6053

46.1010, 62.6895, 104.2783

44.8504, 60.8114, 103.9817

Harmonies

Analogous

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

84.9290, 93.6638, 102.1206

85.4935, 93.6638, 108.1807

87.0014, 93.6638, 112.7267

Triad

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

85.4935, 93.6638, 108.1807

92.7007, 93.6638, 107.9349

88.9770, 93.6638, 90.5278

Complementary

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

85.4935, 93.6638, 108.1807

84.6611, 85.2491, 86.8570

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.

91.0790, 93.6638, 91.9464

85.4935, 93.6638, 108.1807

93.2498, 93.6638, 101.8475

Square

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

85.4935, 93.6638, 108.1807

91.1628, 93.6638, 112.5808

92.6517, 93.6638, 96.0285

86.9201, 93.6638, 92.0739

Rectangle

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

85.4935, 93.6638, 108.1807

88.3509, 93.6638, 114.1983

92.6517, 93.6638, 96.0285

89.7018, 93.6638, 90.6731

Sweetspot

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

85.4959, 93.6676, 108.1813

91.9997, 97.9946, 108.6737

83.0901, 94.2219, 90.8370

19.5213, 20.8623, 23.2479

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.

85.4959, 93.6676, 108.1813

83.5164, 92.3348, 108.0284

81.7217, 86.1192, 106.9232

18.3582, 20.0880, 23.1597

23.4971, 31.9038, 54.3542

2.3380, 3.2067, 5.3090

Inverse Universe

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

87.1089, 84.8834, 103.8931

85.4687, 81.7727, 102.8225

88.3020, 92.5310, 88.0706

18.6935, 18.2607, 22.2688

28.6485, 13.9487, 38.3948

2.8147, 1.3683, 3.8717

Previews

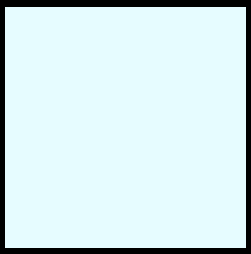
White Background

This preview shows how the XYZ color 85.4935, 93.6638, 108.1807 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



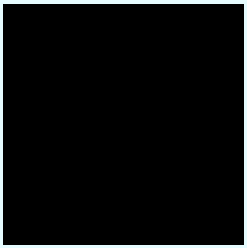
This preview shows how the XYZ color 85.4935, 93.6638, 108.1807 looks on a black background.

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 85.4935, 93.6638, 108.1807 Background



This preview shows how black text looks on a background with the XYZ color 85.4935, 93.6638, 108.1807.

This preview shows how white text looks on a background with the XYZ color 85.4935, 93.6638,

108.1807.

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
85.4935, 93.6638, 108.1807

Protanopia
90.3101, 93.4490, 105.3731

Deuteranopia
91.3050, 93.5299, 104.5076

Tritanopia
88.5795, 93.4095, 107.9689

Trichromacy

Original Color
85.4935, 93.6638, 108.1807

Protanomaly
88.2592, 93.2813, 106.2818

Deuteranomaly
89.1441, 93.7559, 105.4938

Tritanomaly
87.1856, 93.1485, 107.9920

Monochromacy

Original Color
85.4935, 93.6638, 108.1807

Achromatopsia
87.5964, 92.1582, 100.3603

Achromatomaly
86.6015, 92.4996, 102.9124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4935, 93.6638, 108.1807 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(230, 252, 255) looks like.

```
.text, #text, p{
    color:rgb(230, 252, 255)
}
```

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(230, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.4935, 93.6638, 108.1807 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(230, 252, 255) }
```

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

```
.border{ border-color:rgb(230, 252, 255) }
```

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

Here you see how a box with a 4 pixel rgb(230, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 252, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 252, 255); box-shadow:4px 4px 4px 4px rgb(230, 252, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4935, 93.6638, 108.1807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(230, 252, 255) }
```

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

```
.background{ background-color:rgb(230,
252, 255) }
```

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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