Converting Colors

XYZ(84.0396, 93.3813, 108.2028)

Have a look what the booklet for XYZ(84.0396, 93.3813, 108.2028) contains.

Color

XYZ(83.9157, 93.3179, 108.1971)

Conversions

Conversions Part 1

Format	Color
Hex	E0FDFF
RGB	224, 253, 255
RGB Percent	88%, 99%, 100%
CMY	0.1216, 0.0078, 0.0000
CMYK	0.12, 0.01, 0.00, 0.00
HSL	184°, 100%, 94%
HSV	184°, 12%, 100%
XYZ	83.9157, 93.3179, 108.1971
YIQ	244.5570, -17.9260, -5.5260

Conversions

Conversions Part 2

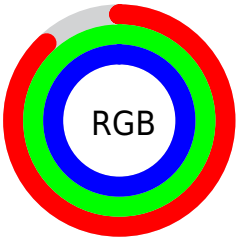
Format	Color
RYB	224, 239, 255
Decimal	14745087
CIELab	97.36, -8.94, -4.14
CIELCh	97, 9.851, 204.832
Yxy	93.3179, 0.2940, 0.3269
Android (android.graphics.Color)	4292935167 (0xFFE0FDFF)
YUV	244.5570, 5.1484, -18.0285
Hunter-Lab	96.6012, -13.9924, 1.2137

Details

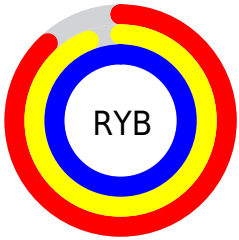
The XYZ color 83.9157, 93.3179, 108.1971 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 81.8902, 81.0327, 81.8472, and the grayscale version is 86.4076, 90.9076, 98.9983.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 46.2952, 51.9921, 61.0215 is the 20% darker color. If you saturate the color by 10%, you get 76.0825, 88.5167, 107.6832, and if you desaturate by 10%, it is 92.9433, 98.7466, 108.7691.

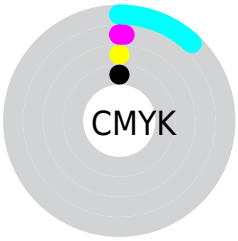
Distribution



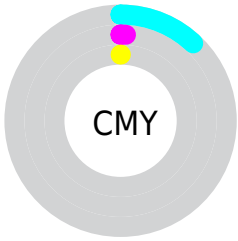
- Red (88%)
- Green (99%)
- Blue (100%)



- Red (88%)
- Yellow (94%)
- Blue (100%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9157, 93.3179, 108.1971 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 83.9157, 93.3179, 108.1971 by changing the saturation by 10% instead.

83.9157, 93.3179, 108.1971

83.9157, 93.3179, 108.1971

496.5711, 538.7658, 607.6354

63.2653, 70.7358, 82.5088

137.7791, 151.9387, 174.5269

46.3153, 52.1266, 61.2467

171.7229, 188.7461, 216.0054

32.7004, 37.1060, 43.9925

210.8284, 231.0640, 263.5844

22.0552, 25.2896, 30.3274

255.4612, 279.2769, 317.6824

14.0143, 16.2929, 19.8331

305.9865, 333.7691, 378.7180

8.2124, 9.7317, 12.0909

362.7697,

4.2841, 5.2214,

394.9251, 447.1096

426.1761, 463.1292, 523.2759

6.6823

1.8641, 2.3778, 3.1888

0.5558, 0.8144, 1.1918

83.9157, 93.3179, 108.1971

76.0825, 88.5167, 107.6832

69.3840, 84.3044, 107.2232

63.7659, 80.6557, 106.8150

59.1669, 77.5390, 106.4558

83.9157, 93.3179, 108.1971

92.9433, 98.7466, 108.7691

95.0500, 100.0000, 108.9000

55.5194, 74.9193, 106.1424

52.7476, 72.7576, 105.8713

50.7641, 71.0087, 105.6382

49.4633, 69.6184, 105.4384

48.7975, 68.7151, 105.2992

Harmonies

Analogous

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

83.4595, 93.3179, 100.2296

83.9157, 93.3179, 108.1971

85.6417, 93.3179, 114.6915

Triad

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

83.9157, 93.3179, 108.1971

93.1540, 93.3179, 110.7161

89.1800, 93.3179, 87.0610

Complementary

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

83.9157, 93.3179, 108.1971

81.8902, 81.0327, 81.8472

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.

91.8218, 93.3179, 89.5581

83.9157, 93.3179, 108.1971

94.1468, 93.3179, 102.9976

Square

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

83.9157, 93.3179, 108.1971

90.9679, 93.3179, 116.1985

93.6542, 93.3179, 95.2907

86.4620, 93.3179, 88.2918

Rectangle

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

83.9157, 93.3179, 108.1971

87.2996, 93.3179, 117.1693

93.6542, 93.3179, 95.2907

90.1070, 93.3179, 87.4882

Sweetspot

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

83.9181, 93.3217, 108.1977

91.1874, 97.6985, 108.6593

80.1671, 92.8340, 85.3230

19.3671, 20.8213, 23.2481

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.

83.9181, 93.3217, 108.1977

81.5709, 91.8933, 108.0457

79.3514, 84.1882, 106.6754

18.4489, 20.2694, 23.1900

25.5406, 35.9907, 55.0354

2.5158, 3.5623, 5.3683

Inverse Universe

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

85.6267, 81.6645, 104.1830

83.6447, 77.8194, 103.1560

86.1652, 89.5826, 83.2722

18.7392, 18.2790, 22.5099

29.6799, 14.3613, 43.8263

2.9045, 1.4042, 4.3443

Previews

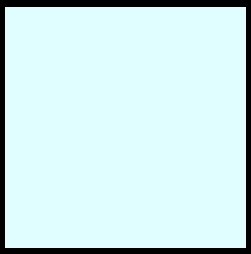
White Background

This preview shows how the XYZ color 83.9157, 93.3179, 108.1971 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



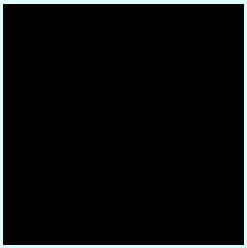
This preview shows how the XYZ color 83.9157, 93.3179, 108.1971 looks on a black background.

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 83.9157, 93.3179, 108.1971 Background



This preview shows how black text looks on a background with the XYZ color 83.9157, 93.3179, 108.1971.

This preview shows how white text looks on a background with the XYZ color 83.9157, 93.3179,

108.1971.

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
83.9157, 93.3179, 108.1971

Protanopia
89.7927, 93.2006, 104.5237

Deuteranopia
91.0033, 92.9264, 104.4070

Tritanopia
87.8930, 93.0556, 107.9368

Trichromacy

Original Color
83.9157, 93.3179, 108.1971

Protanomaly
87.7220, 93.4804, 105.5155

Deuteranomaly
88.1397, 92.7829, 105.3589

Tritanomaly
86.4966, 93.2534, 108.0486

Monochromacy

Original Color
83.9157, 93.3179, 108.1971

Achromatopsia
86.7900, 91.3099, 99.4364

Achromatomaly
85.5913, 91.9789, 102.8651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9157, 93.3179, 108.1971 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(224, 253, 255) looks like.

```
.text, #text, p{
    color:rgb(224, 253, 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(224, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.9157, 93.3179, 108.1971 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(224, 253, 255) }
```

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

```
.border{ border-color:rgb(224, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 253, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 253, 255); box-shadow:4px 4px 4px 4px rgb(224, 253, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9157, 93.3179, 108.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(224, 253, 255) }
```

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

```
.background{ background-color:rgb(224,
253, 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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