Converting Colors

XYZ(80.8233, 93.0713, 89.9151)

Have a look what the booklet for XYZ(80.8233, 93.0713, 89.9151) contains.

Color

XYZ(80.7569, 93.0342, 90.0450)

Conversions

Conversions Part 1

Format	Color
Hex	DFFFE8
RGB	223, 255, 232
RGB Percent	87%, 100%, 91%
CMY	0.1255, 0.0000, 0.0902
CMYK	0.13, 0.00, 0.09, 0.00
HSL	137°, 100%, 94%
HSV	137°, 13%, 100%
XYZ	80.7569, 93.0342, 90.0450
YIQ	242.8100, -11.6890, -13.9370

Conversions

Conversions Part 2

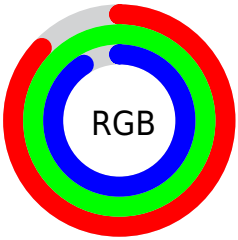
Format	Color
RYB	223, 248, 255
Decimal	14680040
CIELab	97.24, -14.54, 7.52
CIELCh	97, 16.368, 152.666
Yxy	93.0342, 0.3061, 0.3526
Android (android.graphics.Color)	4292870120 (0xFFDFFFE8)
YUV	242.8100, -5.3293, -17.3734
Hunter-Lab	96.4542, -19.3447, 12.1677

Details

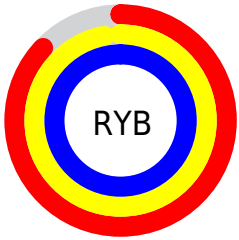
The XYZ color 80.7569, 93.0342, 90.0450 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 84.2626, 80.6900, 98.3221, and the grayscale version is 85.0876, 89.5187, 97.4859.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 44.1790, 51.8476, 48.7534 is the 20% darker color. If you saturate the color by 10%, you get 71.0136, 88.2966, 76.7007, and if you desaturate by 10%, it is 91.9565, 98.4911, 104.8776.

Distribution

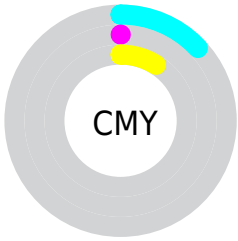


- Red (87%)
- Green (100%)
- Blue (91%)



- Red (87%)
- Yellow (97%)
- Blue (100%)

- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7569, 93.0342, 90.0450 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 80.7569, 93.0342, 90.0450 by changing the saturation by 10% instead.

80.7569, 93.0342, 90.0450

80.7569, 93.0342, 90.0450

486.1778, 537.8523, 548.7511

60.6520, 70.4999, 67.4440

133.3743, 151.5460, 149.3370

44.1959, 51.9342, 48.9817

166.6176, 188.2922, 186.8651

31.0231, 36.9526, 34.2395

204.9709, 230.5446, 230.2059

20.7683, 25.1708, 22.7988

248.7999, 278.6876, 279.7781

13.0663, 16.2044, 14.2411

298.4696, 333.1054, 336.0002

7.5515, 9.6689, 8.1479

354.3456,

3.8587, 5.1800,

394.1826, 399.2907

416.7932, 462.3034, 470.0682

4.1006

1.6225, 2.3532, 1.6807

0.4070, 0.8017, 0.3474

80.7569, 93.0342, 90.0450

71.0136, 88.2966, 76.7007

62.6632, 84.2467, 64.7942

55.6412, 80.8522, 54.2786

49.8767, 78.0776, 45.1027

80.7569, 93.0342, 90.0450

91.9565, 98.4911, 104.8776

95.0500, 100.0000, 108.9000

45.2921, 75.8841, 37.2121

41.8011, 74.2282, 30.5487

39.3043, 73.0602, 25.0500

37.6835, 72.3204, 20.6473

36.9208, 71.9843, 18.0324

Harmonies

Analogous

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

83.7112, 93.0342, 81.3297

80.7569, 93.0342, 90.0450

79.8346, 93.0342, 102.4883

Triad

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

80.7569, 93.0342, 90.0450

88.8407, 93.0342, 128.9377

96.1281, 93.0342, 88.1605

Complementary

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

80.7569, 93.0342, 90.0450

84.2626, 80.6900, 98.3221

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.

97.6131, 93.0342, 100.1178

80.7569, 93.0342, 90.0450

93.3150, 93.0342, 124.2942

Square

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

80.7569, 93.0342, 90.0450

84.4042, 93.0342, 125.6575

96.5663, 93.0342, 113.4524

92.5740, 93.0342, 80.3102

Rectangle

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

80.7569, 93.0342, 90.0450

80.4691, 93.0342, 111.4367

96.5663, 93.0342, 113.4524

96.8914, 93.0342, 91.7945

Sweetspot

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

80.7577, 93.0345, 90.0464

90.2384, 97.6533, 102.6308

87.2496, 96.5252, 83.8458

19.1268, 20.8102, 21.7207

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.

80.7577, 93.0345, 90.0464

78.2365, 91.8076, 86.6389

83.0629, 93.9566, 102.1857

17.9815, 20.2521, 20.2058

19.3464, 37.6352, 9.7094

1.9279, 3.6821, 1.1784

Inverse Universe

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

84.2626, 80.6900, 98.3221

82.3543, 77.3032, 96.3606

81.9768, 79.7757, 86.2854

18.5620, 18.2081, 21.5764

26.0969, 12.9281, 24.9587

2.5877, 1.2775, 2.6763

Previews

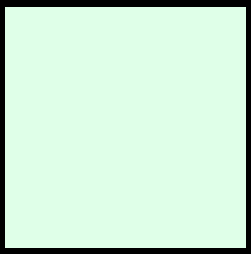
White Background

This preview shows how the XYZ color 80.7569, 93.0342, 90.0450 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



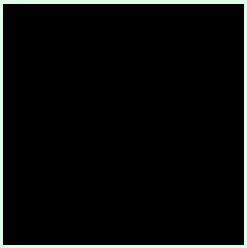
This preview shows how the XYZ color 80.7569, 93.0342, 90.0450 looks on a black background.

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 80.7569, 93.0342, 90.0450 Background



This preview shows how black text looks on a background with the XYZ color 80.7569, 93.0342, 90.0450.

This preview shows how white text looks on a background with the XYZ color 80.7569, 93.0342,

90.0450.

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
80.7569, 93.0342, 90.0450

Protanopia
88.3386, 92.8287, 87.3905

Deuteranopia
89.9198, 92.4930, 98.7016

Tritanopia
87.8930, 93.0556, 107.9368

Trichromacy

Original Color
80.7569, 93.0342, 90.0450

Protanomaly
85.1208, 92.5192, 88.2346

Deuteranomaly
86.2577, 92.4808, 95.7424

Tritanomaly
85.2174, 93.2022, 101.4941

Monochromacy

Original Color
80.7569, 93.0342, 90.0450

Achromatopsia
85.1904, 89.6269, 97.6037

Achromatomaly
83.4328, 90.5864, 94.7489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7569, 93.0342, 90.0450 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(223, 255, 232) looks like.

```
.text, #text, p{
    color:rgb(223, 255, 232)
}
```

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(223, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 80.7569, 93.0342, 90.0450 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(223, 255, 232) }
```

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

```
.border{ border-color:rgb(223, 255, 232) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 255, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 255, 232); box-shadow:4px 4px 4px 4px rgb(223, 255, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7569, 93.0342, 90.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(223, 255, 232) }
```

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

```
.background{ background-color:rgb(223,
255, 232) }
```

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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