

Converting Colors

XYZ(80.9741, 89.7570, 95.4951)

Have a look what the booklet for
XYZ(80.9741, 89.7570, 95.4951)
contains.

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Color

**XYZ(80.9741, 89.7570,
95.4951)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F8F0
RGB	227, 248, 240
RGB Percent	89%, 97%, 94%
CMY	0.1098, 0.0274, 0.0588
CMYK	0.08, 0.00, 0.03, 0.03
HSL	157°, 60%, 93%
HSV	157°, 8%, 97%
XYZ	80.9741, 89.7570, 95.4951
YIQ	240.8090, -9.9480, -6.9400

Conversions

Conversions Part 2

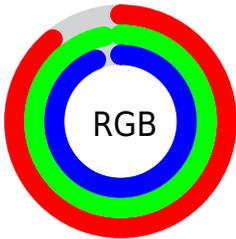
Format	Color
R _Y B	227, 240, 248
Decimal	14940400
CIE Lab	95.90, -8.32, 1.48
CIE LCh	96, 8.447, 169.895
Yxy	89.7570, 0.3042, 0.3371
Android (android.graphics.Color)	4293130480 (0xFFE3F8F0)
YUV	240.8090, -0.3988, -12.1105
Hunter-Lab	94.7402, -13.2320, 6.5557

Details

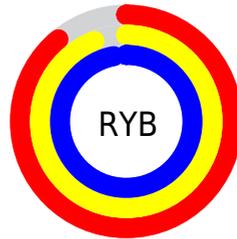
The XYZ color **80.9741, 89.7570, 95.4951** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.1791, 80.8950, 89.9371**, and the grayscale version is **83.4697, 87.8166, 95.6323**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5146, 49.9306, 52.6388** is the 20% darker color. If you saturate the color by 10%, you get **72.3412, 85.4671, 87.9533**, and if you desaturate by 10%, it is **90.8120, 94.6646, 103.4787**.

Distribution



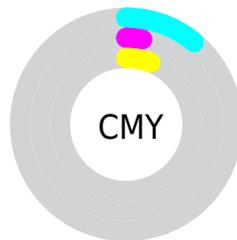
- Red (89%)
- Green (97%)
- Blue (94%)



- Red (89%)
- Yellow (94%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)



- Cyan (11%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9741, 89.7570, 95.4951 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 80.9741, 89.7570, 95.4951 by changing the saturation by 10% instead.

80.9741, 89.7570,
95.4951

80.9741, 89.7570,
95.4951

486.8963,
527.2401, 566.7736

60.8315, 67.7791,
71.9480

133.6777,
147.0008, 156.9499

44.3412, 49.7181,
52.6296

166.9695,
183.0355, 195.6946

31.1379, 35.1894,
37.1215

205.3750,
224.5246, 240.3423

20.8562, 23.8088,
25.0050

249.2596,
271.8526, 291.3114

13.1308, 15.1919,
15.8617

298.9887,
325.4037, 349.0206

7.5963, 8.9542,
9.2731

354.9276,

3.8874, 4.7113,

385.5624, 413.8883

4.8205

417.4417,
452.7130, 486.3331

■ 1.6386, 2.0789,
2.0854

■ 0.4174, 0.6527,
0.6071

■ 80.9741, 89.7570,
95.4951

■ 80.9741, 89.7570,
95.4951

■ 72.3412, 85.4671,
87.9533

■ 90.8120, 94.6646,
103.4787

■ 64.8565, 81.7583,
80.8395

■ 92.8591, 95.6183,
108.1697

■ 58.4701, 78.6075,
74.1471

■ 53.1254, 75.9856,
67.8676

■ 48.7601, 73.8608,
61.9918

■ 45.3056, 72.1977,
56.5102

■ 42.6834, 70.9560,
51.4127

■ 40.8013, 70.0883,
46.6881

■ 39.5285, 69.5275,
42.3234

Harmonies

Analogous

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



81.9286, 89.7570, 89.6916



80.9741, 89.7570, 95.4951



81.1655, 89.7570, 102.1641

Triad

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



80.9741, 89.7570, 95.4951



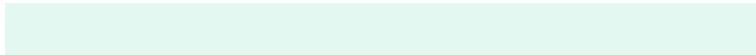
86.8458, 89.7570, 110.3050



88.2315, 89.7570, 88.2364

Complementary

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



80.9741, 89.7570, 95.4951



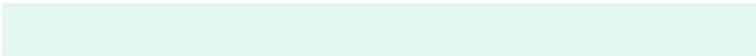
81.1791, 80.8950, 89.9371

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.



89.5960, 89.7570, 93.4263



80.9741, 89.7570, 95.4951



88.7859, 89.7570, 106.2352

Square

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



80.9741, 89.7570, 95.4951



84.5273, 89.7570, 110.9209



89.8007, 89.7570, 99.9997



86.1002, 89.7570, 85.6289

Rectangle

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



80.9741, 89.7570, 95.4951



81.9184, 89.7570, 106.1972



89.8007, 89.7570, 99.9997



88.7967, 89.7570, 89.7255

Sweetspot

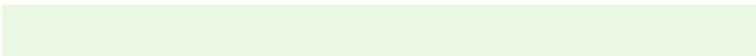
The Sweet Spot groups the original color and five complimentary colors.



80.9766, 89.7608, 95.4971



91.8255, 98.3915, 106.3177



81.7130, 90.3556, 85.8079



19.4742, 20.9700, 22.6102



0.0000, 0.0000, 0.0000



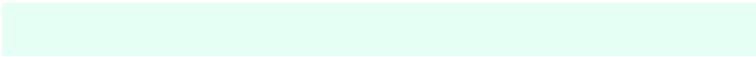
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9766, 89.7608, 95.4971



84.7575, 94.8702, 100.4574



81.4438, 88.7501, 101.6495



17.4691, 19.4899, 20.6706



21.3319, 37.5457, 22.8887



2.0273, 3.4980, 2.3918

Inverse Universe

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



81.1791, 80.8950, 89.9371



85.0100, 83.8206, 93.5281



80.7233, 81.7928, 84.2072



17.5183, 17.3347, 19.3190



22.0786, 11.2472, 7.1222



2.0947, 1.0616, 0.9221

Previews

White Background



This preview shows how the XYZ color 80.9741, 89.7570, 95.4951 looks on a white background.

Color Contrast Check

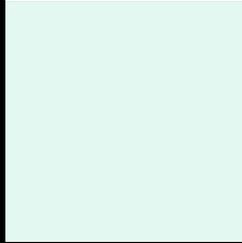
Large Text (above 18pt) WCAG AA × Fail

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 80.9741, 89.7570, 95.4951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

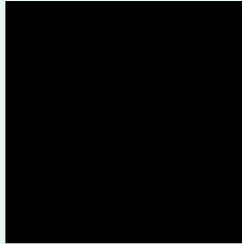
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

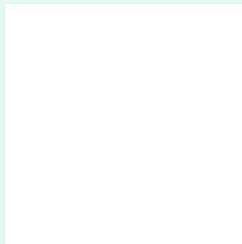
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9741, 89.7570, 95.4951

Background



This preview shows how black text looks on a background with the XYZ color 80.9741, 89.7570, 95.4951.



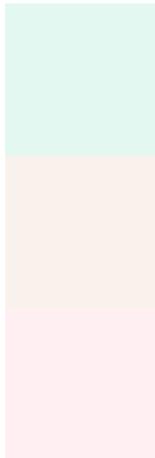
This preview shows how white text looks on a background with the XYZ color 80.9741, 89.7570,

95.4951.

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

80.9741, 89.7570, 95.4951

Protanopia

85.9594, 89.7001, 92.1402

Deuteranopia

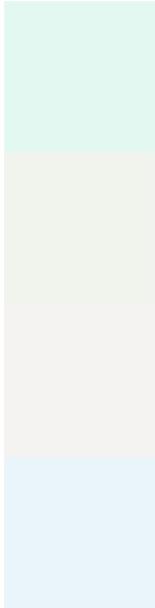
88.2842, 89.4641, 97.4092



Tritanopia

84.9928, 89.7542, 107.4524

Trichromacy



Original Color

80.9741, 89.7570, 95.4951

Protanomaly

83.9124, 89.5166, 92.9765

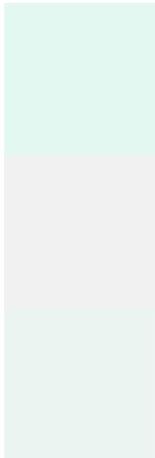
Deuteranomaly

85.4353, 89.3275, 96.7434

Tritanomaly

83.5120, 89.5306, 103.3221

Monochromacy



Original Color

80.9741, 89.7570, 95.4951

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.8199, 88.8851, 96.0106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9741, 89.7570, 95.4951 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(227, 248, 240)` looks like.

```
.text, #text, p{  
    color:rgb(227, 248, 240)  
}
```

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(227, 248, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 248, 240) }
```

Border

The CSS property to change the border of an element to XYZ 80.9741, 89.7570, 95.4951 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(227, 248, 240) }
```

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

```
.border{ border-color:rgb(227, 248, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 248, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 248, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 248, 240);  
box-shadow:4px 4px 4px 4px rgb(227, 248,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9741, 89.7570, 95.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 248, 240) }
```

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

```
.background{ background-color: rgb(227,  
248, 240) }
```

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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