

Converting Colors

XYZ(80.4393, 90.0739, 89.4948)

Have a look what the booklet for
XYZ(80.4393, 90.0739, 89.4948)
contains.

XYZ(80.4361, 90.0715, 89.4900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.4361, 90.0715,
89.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F9E8
RGB	228, 249, 232
RGB Percent	89%, 98%, 91%
CMY	0.1059, 0.0235, 0.0902
CMYK	0.08, 0.00, 0.07, 0.02
HSL	131°, 64%, 94%
HSV	131°, 8%, 98%
XYZ	80.4361, 90.0715, 89.4900
YIQ	240.7830, -7.0590, -9.7390

Conversions

Conversions Part 2

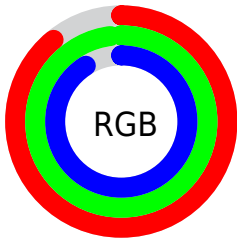
Format	Color
R _Y B	228, 246, 249
Decimal	15006184
CIE Lab	96.03, -9.93, 5.81
CIE LCh	96, 11.504, 149.683
Yxy	90.0715, 0.3094, 0.3464
Android (android.graphics.Color)	4293196264 (0xFFE4F9E8)
YUV	240.7830, -4.3300, -11.2107
Hunter-Lab	94.9060, -14.8006, 10.5277

Details

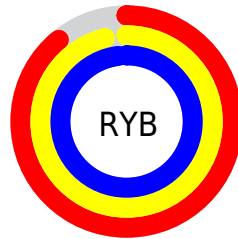
The XYZ color **80.4361, 90.0715, 89.4900** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.2951, 82.2215, 97.8708**, and the grayscale version is **83.4775, 87.8249, 95.6413**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1400, 50.1588, 48.4295** is the 20% darker color. If you saturate the color by 10%, you get **70.3975, 85.2111, 74.9208**, and if you desaturate by 10%, it is **91.9459, 95.6575, 105.8463**.

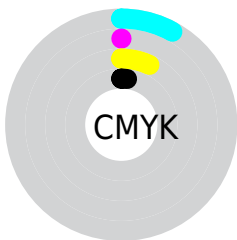
Distribution



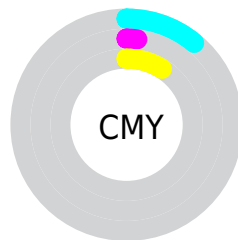
- Red (89%)
- Green (98%)
- Blue (91%)



- Red (89%)
- Yellow (96%)
- Blue (98%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)



- Cyan (11%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4361, 90.0715, 89.4900 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 80.4361, 90.0715, 89.4900 by changing the saturation by 10% instead.

80.4361, 90.0715,
89.4900

80.4361, 90.0715,
89.4900

485.1155,
528.2634, 546.8977

60.3870, 68.0399,
66.9864

132.9260,
147.4377, 148.5591

43.9813, 49.9302,
48.6120

166.0975,
183.5411, 185.9617

30.8536, 35.3580,
33.9484

204.3738,
225.1040, 229.1677

20.6387, 23.9388,
22.5769

248.1203,
272.5107, 278.5956

12.9711, 15.2882,
14.0791

297.7024,
326.1456, 334.6640

7.4855, 9.0219,
8.0363

353.4854,

3.8166, 4.7555,

386.3931, 397.7915

4.0301

415.8346,
453.6375, 468.3965

■ 1.5989, 2.1045,
1.6419

■ 0.3917, 0.6672,
0.3204

■ 80.4361, 90.0715,
89.4900

■ 80.4361, 90.0715,
89.4900

■ 70.3975, 85.2111,
74.9208

■ 91.9459, 95.6575,
105.8463

■ 61.7631, 81.0353,
62.0725

■ 93.1674, 96.2348,
108.2725

■ 54.4720, 77.5167,
50.8830

■ 48.4556, 74.6214,
41.2846

■ 43.6393, 72.3123,
33.2049

■ 39.9406, 70.5487,
26.5659

■ 37.2662, 69.2842,
21.2823

■ 35.5072, 68.4646,
17.2602

■ 34.5144, 68.0152,
14.3923

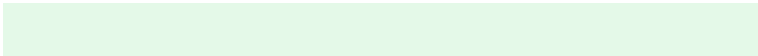
Harmonies

Analogous

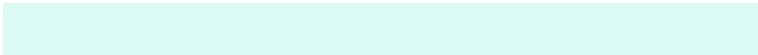
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6158, 90.0715, 83.6223



80.4361, 90.0715, 89.4900



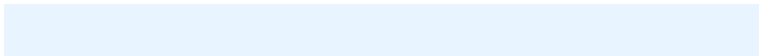
79.6361, 90.0715, 97.9756

Triad

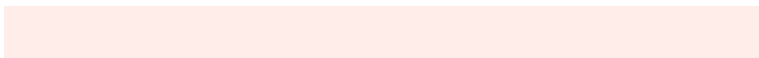
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4361, 90.0715, 89.4900



85.5764, 90.0715, 116.6606



91.0370, 90.0715, 89.6482

Complementary

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



80.4361, 90.0715, 89.4900



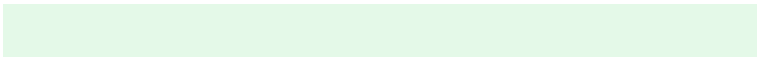
83.2951, 82.2215, 97.8708

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.



91.8759, 90.0715, 98.1696



80.4361, 90.0715, 89.4900



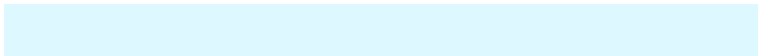
88.6762, 90.0715, 114.0983

Square

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



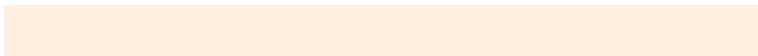
80.4361, 90.0715, 89.4900



82.5585, 90.0715, 113.9910



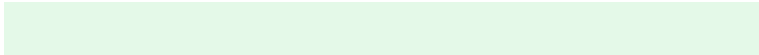
91.0017, 90.0715, 107.1870



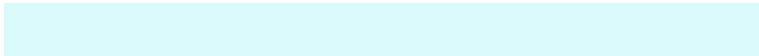
88.7363, 90.0715, 83.7096

Rectangle

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



80.4361, 90.0715, 89.4900



79.9772, 90.0715, 104.0940



91.0017, 90.0715, 107.1870



91.5018, 90.0715, 92.2879

Sweetspot

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



80.4386, 90.0753, 89.4920



91.3101, 98.1854, 103.6038



85.5915, 92.7966, 86.8005



19.3354, 20.9144, 21.8788



0.0000, 0.0000, 0.0000



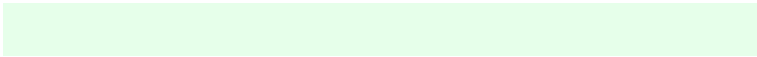
20.3446, 21.4041, 23.3091

Same Dimension

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



80.4386, 90.0753, 89.4920



83.1354, 94.2214, 91.9154



81.9532, 90.6812, 97.4675



17.1524, 19.3632, 19.0032



18.4506, 36.3932, 7.7161



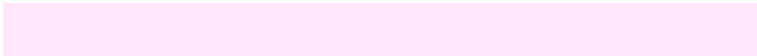
1.7437, 3.3846, 0.8983

Inverse Universe

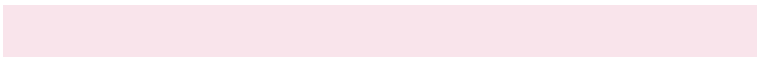
The Inverse Universe completely reimagines the original color for something new.



83.2951, 82.2215, 97.8708



86.6757, 84.4869, 102.3000



81.7581, 81.6067, 89.7772



17.8430, 17.4645, 21.0288



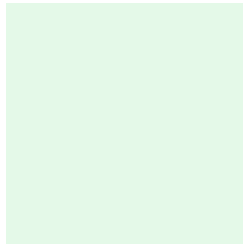
26.6422, 13.0726, 31.1538



2.5028, 1.2248, 3.0709

Previews

White Background



This preview shows how the XYZ color 80.4361, 90.0715, 89.4900 looks on a white background.

Color Contrast Check

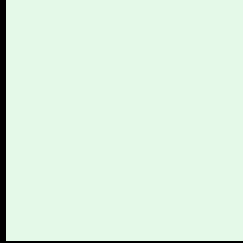
Large Text (above 18pt) WCAG AA × Fail

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 80.4361, 90.0715, 89.4900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

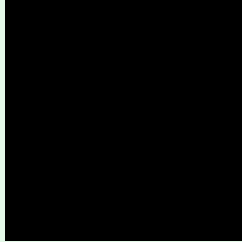
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

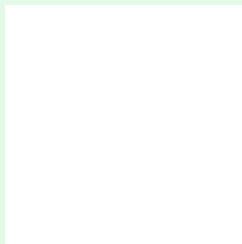
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4361, 90.0715, 89.4900

Background



This preview shows how black text looks on a background with the XYZ color 80.4361, 90.0715, 89.4900.



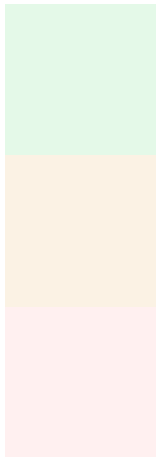
This preview shows how white text looks on a background with the XYZ color 80.4361, 90.0715,

89.4900.

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

80.4361, 90.0715, 89.4900

Protanopia

85.5394, 89.6149, 86.1878

Deuteranopia

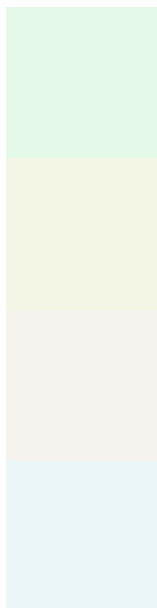
88.1283, 89.8714, 95.1401



Tritanopia

85.6606, 90.0985, 107.4837

Trichromacy



Original Color

80.4361, 90.0715, 89.4900

Protanomaly

83.7574, 90.0166, 87.0892

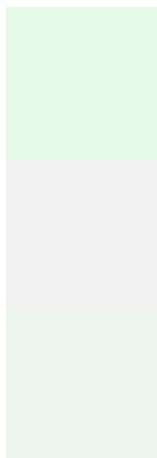
Deuteranomaly

84.9928, 89.6281, 92.9411

Tritanomaly

83.6760, 90.1194, 100.9803

Monochromacy



Original Color

80.4361, 90.0715, 89.4900

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.3754, 88.7073, 93.6695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4361, 90.0715, 89.4900 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(228, 249, 232)` looks like.

```
.text, #text, p{  
    color:rgb(228, 249, 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(228, 249, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 249, 232) }
```

Border

The CSS property to change the border of an element to XYZ 80.4361, 90.0715, 89.4900 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(228, 249, 232) }
```


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

```
.border{ border-color:rgb(228, 249, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 249, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 249, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 249, 232);  
box-shadow:4px 4px 4px 4px rgb(228, 249,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4361, 90.0715, 89.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 249, 232) }
```

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

```
.background{ background-color: rgb(228,  
249, 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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