

Converting Colors

XYZ(80.1545, 89.9830, 77.9496)

Have a look what the booklet for
XYZ(80.1545, 89.9830, 77.9496)
contains.

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Color

**XYZ(80.2020, 90.2017,
78.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	EA9D8
RGB	234, 249, 216
RGB Percent	92%, 98%, 85%
CMY	0.0823, 0.0235, 0.1529
CMYK	0.06, 0.00, 0.13, 0.02
HSL	87°, 73%, 91%
HSV	87°, 13%, 98%
XYZ	80.2020, 90.2017, 78.1493
YIQ	240.7530, 1.6530, -13.4430

Conversions

Conversions Part 2

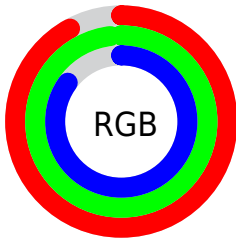
Format	Color
R _Y B	216, 249, 231
Decimal	15399384
CIE Lab	96.08, -10.62, 14.17
CIE LCh	96, 17.713, 126.850
Yxy	90.2017, 0.3227, 0.3629
Android (android.graphics.Color)	4293589464 (0xFFEAF9D8)
YUV	240.7530, -12.2032, -5.9224
Hunter-Lab	94.9746, -15.4698, 17.6958

Details

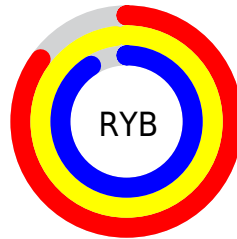
The XYZ color **80.2020, 90.2017, 78.1493** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.6134, 72.9427, 99.7742**, and the grayscale version is **83.5090, 87.8580, 95.6773**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8631, 50.1781, 41.0917** is the 20% darker color. If you saturate the color by 10%, you get **73.6256, 87.1583, 62.2915**, and if you desaturate by 10%, it is **87.5087, 93.5705, 96.5915**.

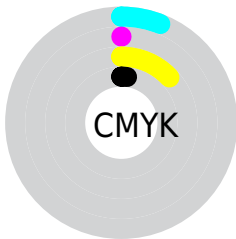
Distribution



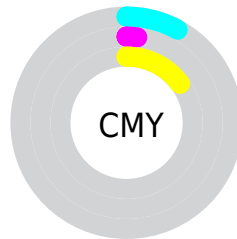
- Red (92%)
- Green (98%)
- Blue (85%)



- Red (85%)
- Yellow (98%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)



- Cyan (8%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2020, 90.2017, 78.1493 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 80.2020, 90.2017, 78.1493 by changing the saturation by 10% instead.

80.2020, 90.2017,
78.1493

80.2020, 90.2017,
78.1493

484.3395,
528.6868, 508.2151

60.1936, 68.1479,
57.6795

132.5987,
147.6185, 132.5484

43.8248, 50.0181,
41.1380

165.7178,
183.7504, 167.3146

30.7301, 35.4278,
28.1064

203.9378,
225.3438, 207.6835

20.5442, 23.9926,
18.1662

247.6241,
272.7830, 254.0734

12.9018, 15.3281,
10.8987

297.1421,
326.4525, 306.9030

7.4375, 9.0500,
5.8854

352.8571,

3.7859, 4.7738,

386.7367, 366.5908

2.7079

415.1344,
454.0200, 433.5553

■ 1.5818, 2.1152,
0.9474

■ 0.3805, 0.6731,
0.0000

■ 80.2020, 90.2017,
78.1493

■ 80.2020, 90.2017,
78.1493

■ 73.6256, 87.1583,
62.2915

■ 87.5087, 93.5705,
96.5915

■ 67.7459, 84.4176,
48.8967

■ 93.1675, 96.2351,
108.2725

■ 62.5373, 81.9717,
37.8426

■ 57.9694, 79.8080,
28.9943

■ 54.0094, 77.9128,
22.2028

■ 50.6204, 76.2707,
17.3010

■ 47.7606, 74.8644,
14.0953

■ 45.3801, 73.6733,
12.3506

■ 43.9980, 72.9723,
11.7661

Harmonies

Analogous

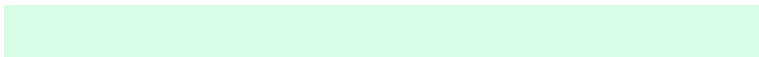
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6142, 90.2017, 73.7662



80.2020, 90.2017, 78.1493



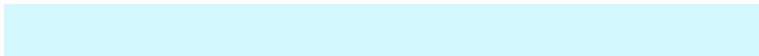
77.3522, 90.2017, 87.9747

Triad

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



80.2020, 90.2017, 78.1493



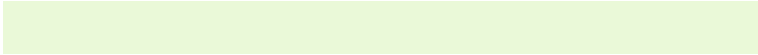
82.0798, 90.2017, 125.1985



95.4418, 90.2017, 95.0283

Complementary

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



80.2020, 90.2017, 78.1493



74.6134, 72.9427, 99.7742

Split Complementary

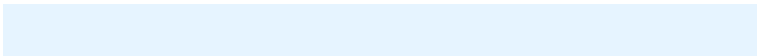
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7004, 90.2017, 109.2192



80.2020, 90.2017, 78.1493



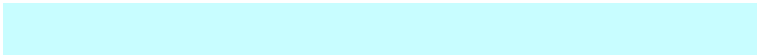
86.8637, 90.2017, 127.5431

Square

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



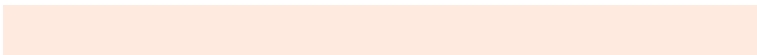
80.2020, 90.2017, 78.1493



78.4072, 90.2017, 115.3178



91.5147, 90.2017, 121.4496



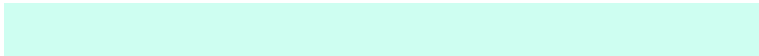
93.5037, 90.2017, 82.8916

Rectangle

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



80.2020, 90.2017, 78.1493



76.6586, 90.2017, 96.7377



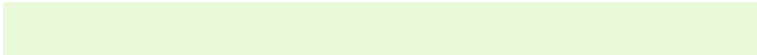
91.5147, 90.2017, 121.4496



95.4988, 90.2017, 99.7059

Sweetspot

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



80.2044, 90.2056, 78.1513



91.7653, 98.4914, 100.4004



79.9990, 82.1688, 76.6108



19.5124, 21.0218, 21.1586



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

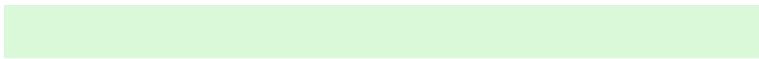
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2044, 90.2056, 78.1513



82.6650, 94.2954, 77.5962



75.0820, 87.5649, 77.9115



17.9221, 19.7756, 18.3349



23.7162, 39.1444, 6.3057



2.3187, 3.6884, 0.5897

Inverse Universe

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



74.6134, 72.9427, 99.7742



75.6697, 72.6959, 104.6512



80.1395, 75.7916, 100.0328



17.0326, 17.0295, 21.7746



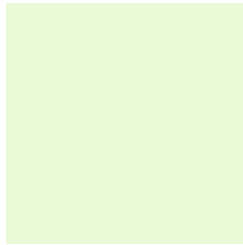
12.9713, 5.6296, 48.3765



1.3218, 0.5835, 4.4861

Previews

White Background



This preview shows how the XYZ color 80.2020, 90.2017, 78.1493 looks on a white background.

Color Contrast Check

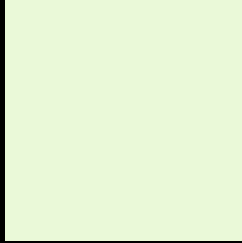
Large Text (above 18pt) WCAG AA × Fail

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 80.2020, 90.2017, 78.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

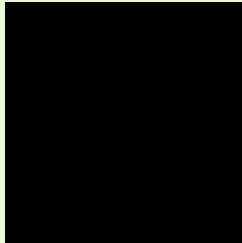
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

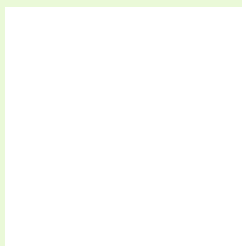
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2020, 90.2017, 78.1493

Background



This preview shows how black text looks on a background with the XYZ color 80.2020, 90.2017, 78.1493.



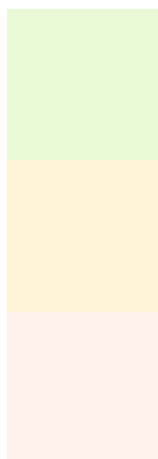
This preview shows how white text looks on a background with the XYZ color 80.2020, 90.2017,

78.1493.

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

80.2020, 90.2017, 78.1493

Protanopia

85.3008, 90.1653, 75.8586

Deuteranopia

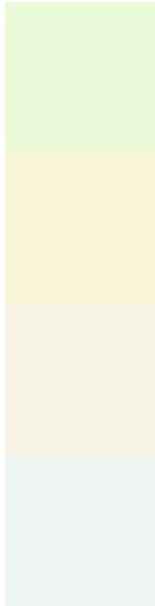
87.8356, 90.2267, 92.1429



Tritanopia

86.7185, 90.1984, 107.4472

Trichromacy



Original Color

80.2020, 90.2017, 78.1493

Protanomaly

83.1478, 89.9340, 76.5950

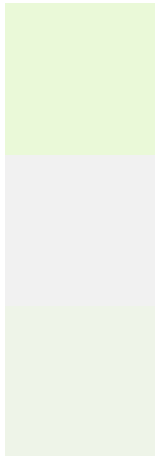
Deuteranomaly

84.8513, 90.1327, 87.0539

Tritanomaly

84.1262, 90.0064, 96.1581

Monochromacy



Original Color

80.2020, 90.2017, 78.1493

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.1761, 88.7047, 89.1345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2020, 90.2017, 78.1493 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(234, 249, 216) looks like.

```
.text, #text, p{  
    color:rgb(234, 249, 216)  
}
```

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(234, 249, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 249, 216) }
```

Border

The CSS property to change the border of an element to XYZ 80.2020, 90.2017, 78.1493 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(234, 249, 216) }
```


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

```
.border{ border-color:rgb(234, 249, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 249, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 249, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 249, 216);  
box-shadow:4px 4px 4px 4px rgb(234, 249,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2020, 90.2017, 78.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 249, 216) }
```

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

```
.background{ background-color: rgb(234,  
249, 216) }
```

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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