

Converting Colors

XYZ(78.3211, 84.8439, 85.0057)

Have a look what the booklet for
XYZ(78.3211, 84.8439, 85.0057)
contains.

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Color

**XYZ(78.3039, 85.0220,
84.9569)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F0E3
RGB	232, 240, 227
RGB Percent	91%, 94%, 89%
CMY	0.0902, 0.0588, 0.1098
CMYK	0.03, 0.00, 0.05, 0.06
HSL	97°, 30%, 92%
HSV	97°, 5%, 94%
XYZ	78.3039, 85.0220, 84.9569
YIQ	236.1260, -0.5950, -5.7390

Conversions

Conversions Part 2

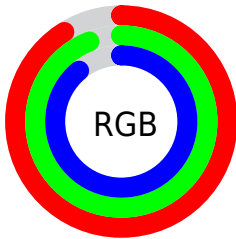
Format	Color
R_{YB}	227, 240, 235
Decimal	15266019
CIE _{Lab}	93.89, -4.95, 5.35
CIE _{LCh}	94, 7.286, 132.794
Yxy	85.0220, 0.3154, 0.3424
Android (android.graphics.Color)	4293456099 (0xFFE8F0E3)
YUV	236.1260, -4.4991, -3.6185
Hunter-Lab	92.2074, -9.7780, 9.9173

Details

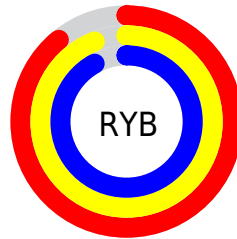
The XYZ color **78.3039, 85.0220, 84.9569** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.4615, 78.8939, 93.5878**, and the grayscale version is **79.8610, 84.0200, 91.4978**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4914, 46.4896, 45.7636** is the 20% darker color. If you saturate the color by 10%, you get **70.6246, 81.4221, 68.4944**, and if you desaturate by 10%, it is **86.8530, 89.0218, 103.8740**.

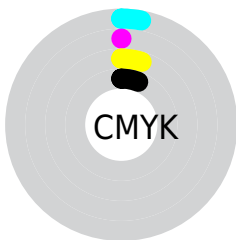
Distribution



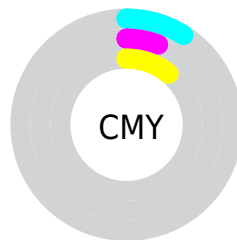
- Red (91%)
- Green (94%)
- Blue (89%)



- Red (89%)
- Yellow (94%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3039, 85.0220, 84.9569 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 78.3039, 85.0220, 84.9569 by changing the saturation by 10% instead.

78.3039, 85.0220,
84.9569

78.3039, 85.0220,
84.9569

478.0223,
511.7009, 531.6263

58.6273, 63.8596,
63.2558

129.9415,
140.4039, 142.1866

42.5584, 46.5369,
45.6059

162.6333,
175.3922, 178.5523

29.7318, 32.6697,
31.5885

200.3941,
215.7578, 220.6432

19.7822, 21.8736,
20.7852

243.5895,
261.8853, 268.8780

12.3441, 13.7640,
12.7774

292.5846,
314.1589, 323.6752

7.0524, 7.9567,
7.1465

347.7449,

3.5415, 4.0673,

372.9631, 385.4533

3.4740

409.4357,
438.6823, 454.6308

■ 1.4462, 1.7113,
1.3415

■ 0.2888, 0.4309,
0.0954

■ 78.3039, 85.0220,
84.9569

■ 78.3039, 85.0220,
84.9569

■ 70.6246, 81.4221,
68.4944

■ 86.8530, 89.0218,
103.8740

■ 63.7790, 78.1983,
54.3805

■ 90.4517, 90.8035,
107.3672

■ 57.7389, 75.3411,
42.5095

■ 52.4719, 72.8360,
32.7658

■ 47.9428, 70.6679,
25.0231

■ 44.1136, 68.8201,
19.1419

■ 40.9422, 67.2743,
14.9647

■ 38.3807, 66.0099,
12.3082

■ 36.3725, 65.0027,
10.9463

Harmonies

Analogous

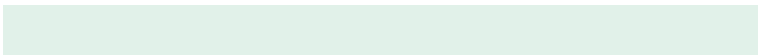
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9879, 85.0220, 82.5458



78.3039, 85.0220, 84.9569



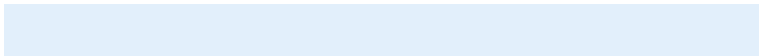
77.3008, 85.0220, 89.4512

Triad

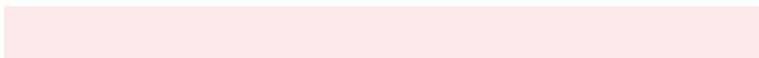
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3039, 85.0220, 84.9569



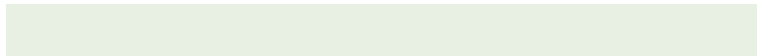
79.7128, 85.0220, 103.1554



84.5021, 85.0220, 90.2296

Complementary

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



78.3039, 85.0220, 84.9569



77.4615, 78.8939, 93.5878

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.



84.4256, 85.0220, 95.7697



78.3039, 85.0220, 84.9569



81.6394, 85.0220, 103.3843

Square

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



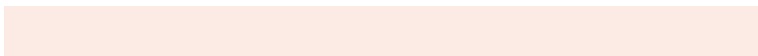
78.3039, 85.0220, 84.9569



78.1053, 85.0220, 100.0210



83.3708, 85.0220, 100.6344



83.5782, 85.0220, 85.5071

Rectangle

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



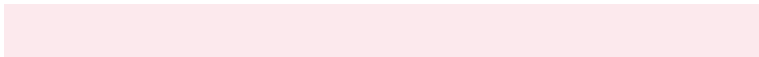
78.3039, 85.0220, 84.9569



77.1432, 85.0220, 93.0961



83.3708, 85.0220, 100.6344



84.5929, 85.0220, 92.0549

Sweetspot

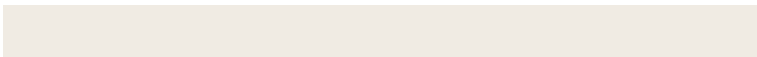
The Sweet Spot groups the original color and five complimentary colors.



78.3063, 85.0257, 84.9588



93.0941, 99.0853, 104.5791



79.4547, 83.3769, 84.5800



19.9465, 21.2179, 22.4295



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

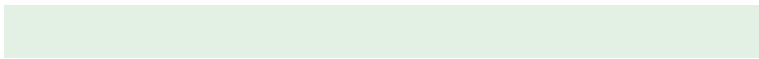
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3063, 85.0257, 84.9588



88.3807, 96.8786, 94.2770



76.8864, 84.2729, 85.8329



16.4599, 18.1023, 17.4533



19.6260, 35.4391, 5.8060



1.7405, 3.0038, 0.4881

Inverse Universe

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



77.4615, 78.8939, 93.5878



87.1377, 87.8568, 106.9732



78.9431, 79.6800, 92.6522



16.2096, 16.2851, 20.0106



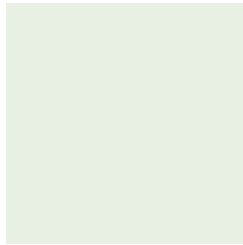
15.4214, 6.9554, 45.6576



1.3936, 0.6357, 3.8035

Previews

White Background



This preview shows how the XYZ color 78.3039, 85.0220, 84.9569 looks on a white background.

Color Contrast Check

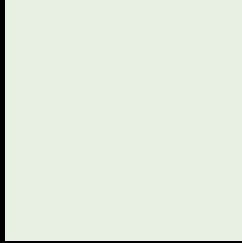
Large Text (above 18pt) WCAG AA × Fail

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 78.3039, 85.0220, 84.9569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

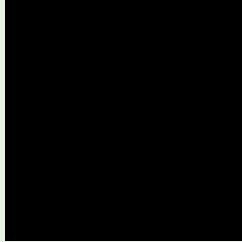
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

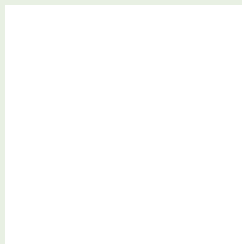
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3039, 85.0220, 84.9569

Background



This preview shows how black text looks on a background with the XYZ color 78.3039, 85.0220, 84.9569.



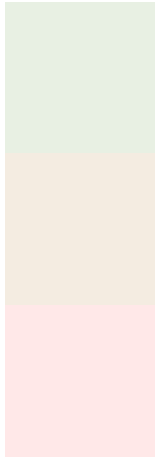
This preview shows how white text looks on a background with the XYZ color 78.3039, 85.0220,

84.9569.

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

78.3039, 85.0220, 84.9569

Protanopia

80.8943, 84.6602, 83.3116

Deuteranopia

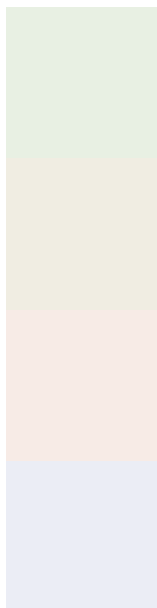
84.6621, 84.7994, 88.2497



Tritanopia

82.6375, 85.0438, 106.6674

Trichromacy



Original Color

78.3039, 85.0220, 84.9569

Protanomaly

79.9468, 84.5846, 84.0643

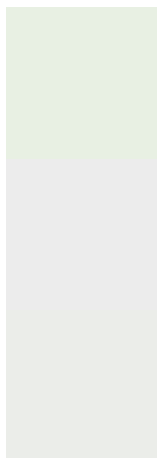
Deuteranomaly

82.3490, 84.9040, 86.9108

Tritanomaly

81.0266, 84.8231, 98.4881

Monochromacy



Original Color

78.3039, 85.0220, 84.9569

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.2531, 84.1137, 89.1493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3039, 85.0220, 84.9569 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(232, 240, 227) looks like.

```
.text, #text, p{  
    color:rgb(232, 240, 227)  
}
```

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(232, 240, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 227) }
```

Border

The CSS property to change the border of an element to XYZ 78.3039, 85.0220, 84.9569 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(232, 240, 227) }
```


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

```
.border{ border-color:rgb(232, 240, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 240, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 227);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3039, 85.0220, 84.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 240, 227) }
```

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

```
.background{ background-color: rgb(232,  
240, 227) }
```

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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