

# Converting Colors

XYZ(79.2131, 85.4980, 78.7458)

Have a look what the booklet for  
XYZ(79.2131, 85.4980, 78.7458)  
contains.

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# Color

**XYZ(79.4116, 85.7329,  
78.6923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF0DA
RGB	239, 240, 218
RGB Percent	94%, 94%, 85%
CMY	0.0627, 0.0588, 0.1451
CMYK	0.00, 0.00, 0.09, 0.06
HSL	63°, 42%, 90%
HSV	63°, 9%, 94%
XYZ	79.4116, 85.7329, 78.6923
YIQ	237.1930, 6.4660, -7.0540

# Conversions

## Conversions Part 2

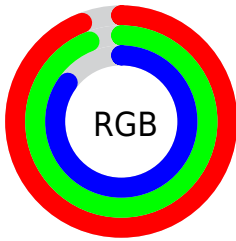
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 240, 219
Decimal	15724762
CIE Lab	94.20, -4.07, 10.51
CIE LCh	94, 11.274, 111.143
Yxy	85.7329, 0.3257, 0.3516
Android (android.graphics.Color)	4293914842 (0xFFEFF0DA)
YUV	237.1930, -9.4621, 1.5847
Hunter-Lab	92.5921, -8.9455, 14.4250

# Details

The XYZ color **79.4116, 85.7329, 78.6923** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.0163, 71.4964, 92.5526**, and the grayscale version is **80.7141, 84.9175, 92.4751**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2798, 46.9926, 41.4397** is the 20% darker color. If you saturate the color by 10%, you get **76.1276, 84.3795, 63.3141**, and if you desaturate by 10%, it is **83.1574, 87.2769, 96.4695**.

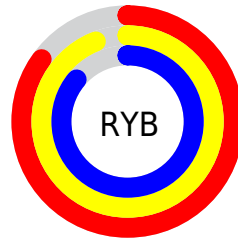
# Distribution



Red (94%)

Green (94%)

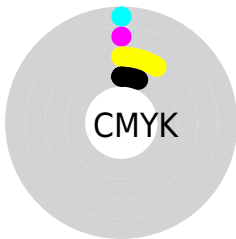
Blue (85%)



Red (85%)

Yellow (94%)

Blue (86%)

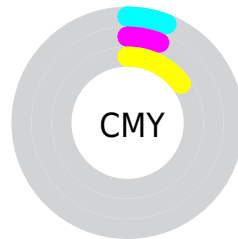


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (6%)



Cyan (6%)

Magenta (6%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.4116, 85.7329, 78.6923 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 79.4116, 85.7329, 78.6923 by changing the saturation by 10% instead.



79.4116, 85.7329,  
78.6923

79.4116, 85.7329,  
78.6923

481.7145,  
514.0501, 510.1049

59.5411, 64.4471,  
58.1230

131.4930,  
141.3967, 133.3203

43.2969, 47.0129,  
41.4922

164.4346,  
176.5435, 168.2162

30.3137, 33.0459,  
28.3813

202.4640,  
217.0795, 208.7246

20.2260, 22.1616,  
18.3717

245.9465,  
263.3889, 255.2642

12.6687, 13.9757,  
11.0450

295.2474,  
315.8564, 308.2535

7.2762, 8.1037,  
5.9826

350.7321,

3.6833, 4.1614,

374.8661, 368.1110

2.7659

412.7660,  
440.8025, 435.2553

■ 1.5246, 1.7643,  
0.9764

■ 0.3425, 0.4647,  
0.0000

■ 79.4116, 85.7329,  
78.6923

■ 79.4116, 85.7329,  
78.6923

■ 76.1276, 84.3795,  
63.3141

■ 83.1574, 87.2769,  
96.4695

■ 73.2789, 83.1977,  
50.2270


■ 85.5534, 88.2785,  
107.1380


■ 70.8470, 82.1828,  
39.3230


■ 85.9291, 88.4721,  
107.1556


■ 68.8093, 81.3259,  
30.4830


■ 86.3070, 88.6670,  
107.1733

 67.1411, 80.6170,  
23.5769


 86.6872, 88.8629,  
107.1911


 65.8147, 80.0451,  
18.4597

 87.0697, 89.0601,  
107.2090

 64.7989, 79.5977,  
14.9660

 87.4544, 89.2584,  
107.2270

 64.0563, 79.2598,  
12.8997

 87.8414, 89.4579,  
107.2451

 63.5297, 79.0086,  
11.9592

 88.2307, 89.6586,  
107.2633

# Harmonies

## Analogous

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



82.3831, 85.7329, 77.8737



79.4116, 85.7329, 78.6923



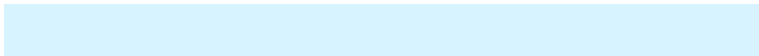
77.0514, 85.7329, 83.3069

# Triad

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



79.4116, 85.7329, 78.6923



77.9004, 85.7329, 106.8954



87.3549, 85.7329, 95.9304

# Complementary

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



79.4116, 85.7329, 78.6923



70.0163, 71.4964, 92.5526

# Split Complementary

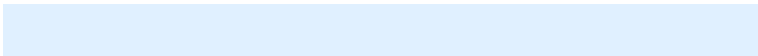
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0887, 85.7329, 104.1664



79.4116, 85.7329, 78.6923



80.5965, 85.7329, 110.7486

# Square

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



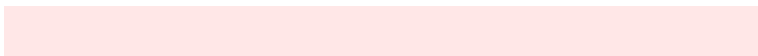
79.4116, 85.7329, 78.6923



76.1940, 85.7329, 99.4714



83.5973, 85.7329, 109.7202



87.0187, 85.7329, 87.4823



# Rectangle

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



79.4116, 85.7329, 78.6923



76.1183, 85.7329, 88.0803



83.5973, 85.7329, 109.7202



87.1015, 85.7329, 98.8228

# Sweetspot

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



79.4139, 85.7366, 78.6941



93.7142, 99.4508, 102.5358



73.8548, 74.1134, 76.7436



19.9840, 21.2559, 21.5921



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.



79.4139, 85.7366, 78.6941



90.3885, 98.0812, 86.8044



75.8977, 83.9240, 78.5296



17.0474, 18.4201, 16.8067



34.7852, 43.2540, 6.5155



2.9157, 3.6096, 0.5431



# Inverse Universe

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



70.0163, 71.4964, 92.5526



77.5736, 78.6626, 105.7026



73.3498, 73.2149, 92.7086



14.9640, 15.2632, 19.8790



8.7148, 3.4980, 45.3437

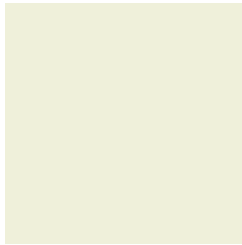


0.7483, 0.3030, 3.7733



# Previews

## White Background



This preview shows how the XYZ color 79.4116, 85.7329, 78.6923 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

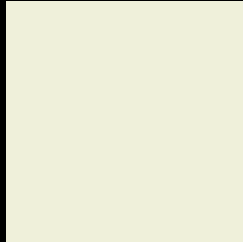
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.4116, 85.7329, 78.6923 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

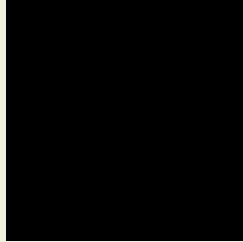
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

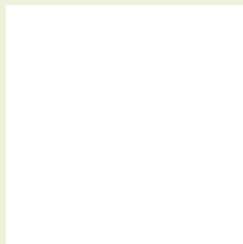
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.4116, 85.7329, 78.6923**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.4116, 85.7329, 78.6923.



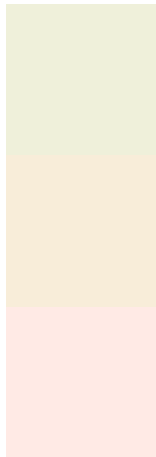
This preview shows how white text looks on a background with the XYZ color 79.4116, 85.7329,

78.6923.

# 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

79.4116, 85.7329, 78.6923

### Protanopia

81.5200, 85.5346, 77.8589

### Deuteranopia

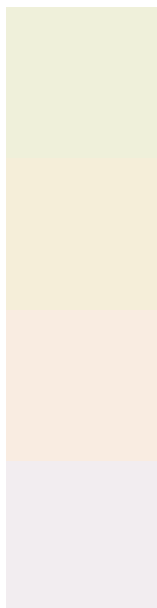
84.8057, 85.7628, 86.2129



## Tritanopia

84.7462, 85.7416, 105.0117

# Trichromacy



## Original Color

79.4116, 85.7329, 78.6923

## Protanomaly

80.7551, 85.5713, 77.9063

## Deuteranomaly

82.6530, 85.5669, 83.3939

## Tritanomaly

82.6303, 85.7369, 94.6319

# Monochromacy



## Original Color

79.4116, 85.7329, 78.6923

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.1174, 85.0394, 87.0545

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.4116, 85.7329, 78.6923 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(239, 240, 218) looks like.

```
.text, #text, p{  
    color:rgb(239, 240, 218)  
}
```

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(239, 240, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 240, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 79.4116, 85.7329, 78.6923 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(239, 240, 218) }
```



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

```
.border{ border-color:rgb(239, 240, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 240, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 240, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 240, 218);  
box-shadow:4px 4px 4px 4px rgb(239, 240,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.4116, 85.7329, 78.6923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 240, 218) }
```

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

```
.background{ background-color: rgb(239,  
240, 218) }
```

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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