

# Converting Colors

XYZ(79.6930, 87.0577, 79.8820)

Have a look what the booklet for  
XYZ(79.6930, 87.0577, 79.8820)  
contains.

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# Color

**XYZ(79.7618, 87.2202,  
79.6491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF3DB
RGB	237, 243, 219
RGB Percent	93%, 95%, 86%
CMY	0.0706, 0.0470, 0.1412
CMYK	0.02, 0.00, 0.10, 0.05
HSL	75°, 50%, 91%
HSV	75°, 10%, 95%
XYZ	79.7618, 87.2202, 79.6491
YIQ	238.4700, 4.1280, -8.7360

# Conversions

## Conversions Part 2

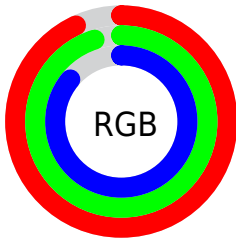
Format	Color
R <sub>Y</sub> B	219, 243, 225
Decimal	15594459
CIE Lab	94.83, -6.11, 10.88
CIE LCh	95, 12.479, 119.297
Yxy	87.2202, 0.3234, 0.3536
Android (android.graphics.Color)	4293784539 (0xFFEDF3DB)
YUV	238.4700, -9.5987, -1.2892
Hunter-Lab	93.3918, -10.9866, 14.8088

# Details

The XYZ color **79.7618, 87.2202, 79.6491** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.5640, 73.1440, 95.0924**, and the grayscale version is **81.7042, 85.9592, 93.6096**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5272, 48.0447, 42.1014** is the 20% darker color. If you saturate the color by 10%, you get **74.7987, 85.0073, 63.9186**, and if you desaturate by 10%, it is **85.2655, 89.6630, 97.8464**.

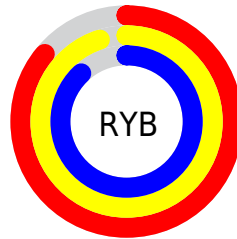
# Distribution



Red (93%)

Green (95%)

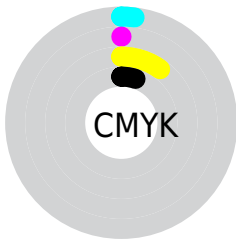
Blue (86%)



Red (86%)

Yellow (95%)

Blue (88%)

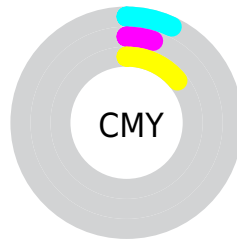


Cyan (2%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (7%)

Magenta (5%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7618, 87.2202, 79.6491 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 79.7618, 87.2202, 79.6491 by changing the saturation by 10% instead.




 79.7618, 87.2202,  
79.6491

 79.7618, 87.2202,  
79.6491


482.8785,  
518.9462, 513.4250

 59.8302, 65.6774,  
58.9052


131.9831,  
143.4710, 134.6792

 43.5307, 48.0106,  
42.1173


165.0034,  
178.9479, 169.8025

 30.4980, 33.8353,  
28.8669

203.1173,  
219.8382, 210.5559

 20.3669, 22.7671,  
18.7354

246.6902,  
266.5265, 257.3581

 12.7718, 14.4216,  
11.3044

296.0874,  
319.3970, 310.6276

 7.3475, 8.4145,  
6.1552

351.6743,

 3.7286, 4.3613,

378.8342, 370.7829

2.8694

413.8162,  
445.2224, 438.2425

■ 1.5498, 1.8777,  
1.0283

■ 0.3593, 0.5349,  
0.0000

■ 79.7618, 87.2202,  
79.6491

■ 79.7618, 87.2202,  
79.6491

■ 74.7987, 85.0073,  
63.9186

■ 85.2655, 89.6630,  
97.8464

■ 70.3484, 83.0045,  
50.5429

■ 89.2260, 91.4937,  
107.5651

■ 66.3909, 81.2066,  
39.4102

■ 91.3424, 92.5847,  
107.6641

■ 62.9020, 79.6039,  
30.3971

■ 59.8555, 78.1858,  
23.3683

■ 57.2219, 76.9404,  
18.1729

■ 54.9678, 75.8543,  
14.6387

■ 53.0535, 74.9114,  
12.5602

■ 51.4138, 74.0857,  
11.5987

# Harmonies

## Analogous

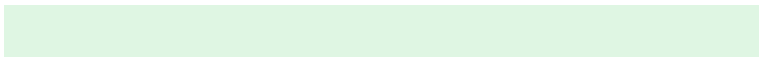
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9800, 87.2202, 77.5527



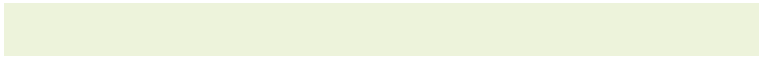
79.7618, 87.2202, 79.6491



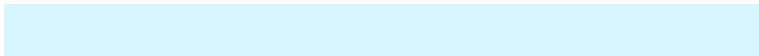
77.4390, 87.2202, 85.7816

# Triad

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



79.7618, 87.2202, 79.6491



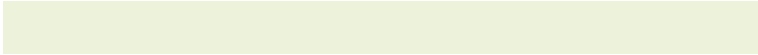
79.6272, 87.2202, 111.8799



89.5672, 87.2202, 95.1966

# Complementary

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



79.7618, 87.2202, 79.6491



72.5640, 73.1440, 95.0924

# Split Complementary

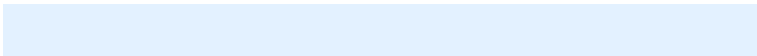
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6122, 87.2202, 104.7878



79.7618, 87.2202, 79.6491



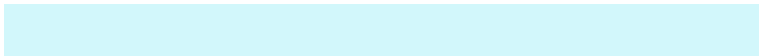
82.8205, 87.2202, 114.8127

# Square

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



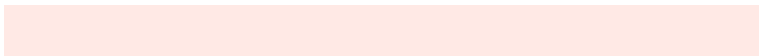
79.7618, 87.2202, 79.6491



77.3628, 87.2202, 104.3659



86.1198, 87.2202, 112.1349



88.6957, 87.2202, 86.1518



# Rectangle

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



79.7618, 87.2202, 79.6491



76.6793, 87.2202, 91.5543



86.1198, 87.2202, 112.1349



89.4487, 87.2202, 98.4655

# Sweetspot

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



79.7642, 87.2240, 79.6510



93.1420, 99.1559, 102.5090



76.6766, 78.0223, 78.0376



19.8291, 21.1760, 21.5848



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

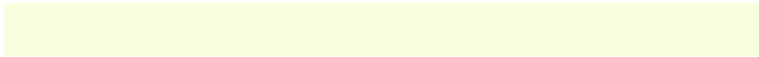


# Same Dimension

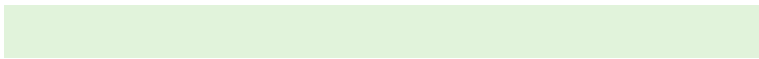
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7642, 87.2240, 79.6510



87.7485, 96.7605, 84.8576



75.8910, 85.2273, 79.4697



17.4862, 19.0927, 17.5612



28.3355, 40.7203, 6.3664



2.5838, 3.6271, 0.5639



# Inverse Universe

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



72.5640, 73.1440, 95.0924



78.1098, 77.9116, 105.5293



76.4372, 75.1408, 95.2736



15.9696, 16.1269, 20.8137



10.0313, 4.1457, 46.8095

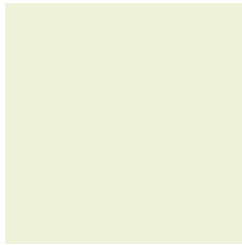


0.9721, 0.4110, 4.1183



# Previews

## White Background



This preview shows how the XYZ color 79.7618, 87.2202, 79.6491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

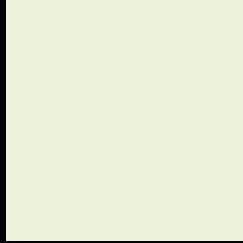
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7618, 87.2202, 79.6491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

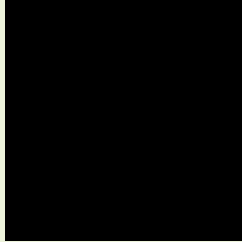
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

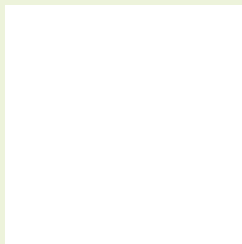
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.7618, 87.2202, 79.6491**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7618, 87.2202, 79.6491.



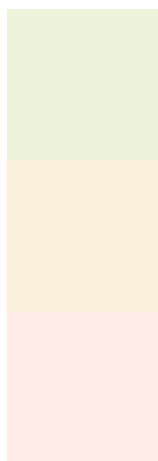
This preview shows how white text looks on a background with the XYZ color 79.7618, 87.2202,

79.6491.

# 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

79.7618, 87.2202, 79.6491

### Protanopia

82.8152, 87.0668, 78.0864

### Deuteranopia

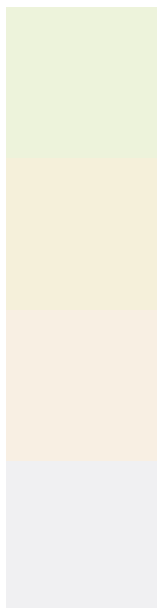
85.6593, 87.0204, 87.8832



## Tritanopia

85.2425, 87.2463, 106.9552

# Trichromacy



## Original Color

79.7618, 87.2202, 79.6491

## Protanomaly

81.4712, 86.7946, 78.7887

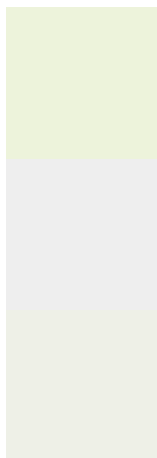
## Deuteranomaly

83.4430, 87.2355, 85.1133

## Tritanomaly

83.1223, 87.2562, 96.4655

# Monochromacy



## Original Color

79.7618, 87.2202, 79.6491

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.8438, 86.2668, 87.9915

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7618, 87.2202, 79.6491 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(237, 243, 219) looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 219)  
}
```

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(237, 243, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7618, 87.2202, 79.6491 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(237, 243, 219) }
```



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

```
.border{ border-color:rgb(237, 243, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 243, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 219);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7618, 87.2202, 79.6491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 219) }
```

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

```
.background{ background-color: rgb(237,  
243, 219) }
```

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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