

# Converting Colors

XYZ(76.0562, 83.3840, 89.1581)

Have a look what the booklet for  
XYZ(76.0562, 83.3840, 89.1581)  
contains.

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# Color

**XYZ(76.0059, 83.3042,  
89.1642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEFE9
RGB	223, 239, 233
RGB Percent	87%, 94%, 91%
CMY	0.1255, 0.0627, 0.0863
CMYK	0.07, 0.00, 0.03, 0.06
HSL	157°, 33%, 91%
HSV	157°, 7%, 94%
XYZ	76.0059, 83.3042, 89.1642
YIQ	233.5320, -7.6100, -5.2580

# Conversions

## Conversions Part 2

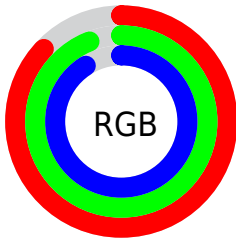
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 233, 239
Decimal	14675945
CIE Lab	93.15, -6.37, 1.07
CIE LCh	93, 6.458, 170.454
Yxy	83.3042, 0.3059, 0.3353
Android (android.graphics.Color)	4292866025 (0xFFDFEFE9)
YUV	233.5320, -0.2623, -9.2366
Hunter-Lab	91.2711, -11.0789, 5.9685

# Details

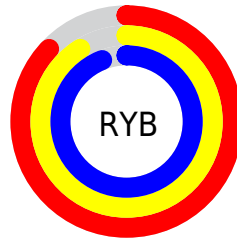
The XYZ color **76.0059, 83.3042, 89.1642** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1302, 76.7853, 84.9412**, and the grayscale version is **77.8611, 81.9159, 89.2064**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0177, 45.3661, 48.1896** is the 20% darker color. If you saturate the color by 10%, you get **67.9075, 79.2759, 82.2690**, and if you desaturate by 10%, it is **85.2136, 87.9015, 96.4545**.

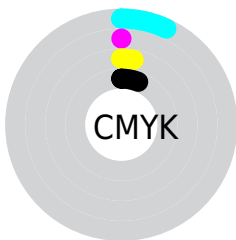
# Distribution



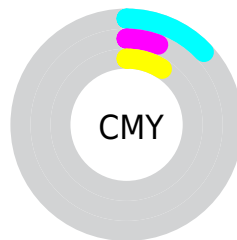
- Red (87%)
- Green (94%)
- Blue (91%)



- Red (87%)
- Yellow (91%)
- Blue (94%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (13%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0059, 83.3042, 89.1642 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 76.0059, 83.3042, 89.1642 by changing the saturation by 10% instead.



76.0059, 83.3042,  
89.1642

76.0059, 83.3042,  
89.1642

470.3120,  
505.9998, 545.8081

56.7344, 62.4411,  
66.7178

126.7156,  
138.0014, 148.1022

41.0314, 45.3892,  
48.3952

158.8844,  
172.6044, 185.4310

28.5314, 31.7641,  
33.7777

196.0832,  
212.5561, 228.5577

18.8691, 21.1814,  
22.4469

238.6771,  
258.2410, 277.9007

11.6792, 13.2567,  
13.9842

287.0316,  
310.0434, 333.8788

6.5962, 7.6055,  
7.9711

341.5120,

3.2550, 3.8436,

368.3477, 396.9103

3.9889

402.4837,  
433.5384, 467.4139

■ 1.2900, 1.5865,  
1.6193

■ 0.1757, 0.3484,  
0.3045

■ 76.0059, 83.3042,  
89.1642

■ 76.0059, 83.3042,  
89.1642

■ 67.9075, 79.2759,  
82.2690

■ 85.2136, 87.9015,  
96.4545

■ 60.8670, 75.7833,  
75.7564

■ 89.5103, 89.9571,  
103.8580

■ 54.8395, 72.8055,  
69.6209

■ 90.1581, 90.2162,  
107.2694

■ 49.7739, 70.3165,  
63.8549

■ 45.6146, 68.2876,  
58.4504

■ 42.3000, 66.6872,  
53.3991

■ 39.7605, 65.4796,  
48.6920

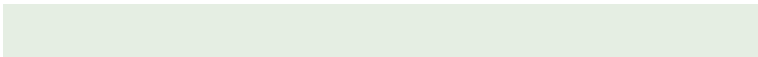
■ 37.9146, 64.6229,  
44.3196

■ 36.6596, 64.0642,  
40.2710

# Harmonies

## Analogous

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



76.6903, 83.3042, 84.8873



76.0059, 83.3042, 89.1642



76.1621, 83.3042, 94.0068

# Triad

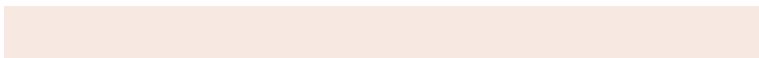
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0059, 83.3042, 89.1642



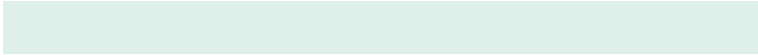
80.3231, 83.3042, 99.7382



81.2724, 83.3042, 83.6920

# Complementary

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



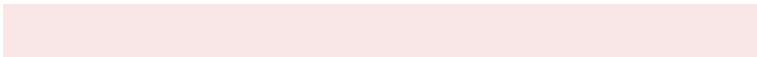
76.0059, 83.3042, 89.1642



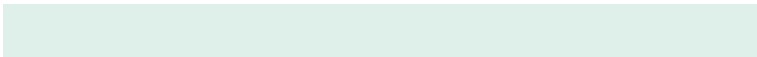
76.1302, 76.7853, 84.9412

# 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.



82.2728, 83.3042, 87.4797



76.0059, 83.3042, 89.1642



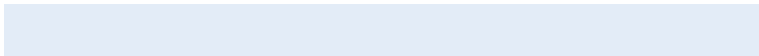
81.7192, 83.3042, 96.7808

# Square

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



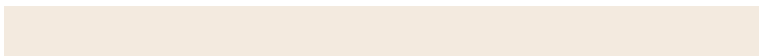
76.0059, 83.3042, 89.1642



78.6386, 83.3042, 100.2285



82.4374, 83.3042, 92.2617



79.7201, 83.3042, 81.8031

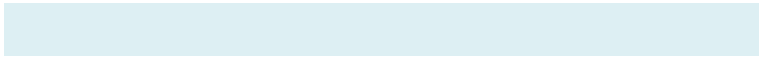


# Rectangle

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



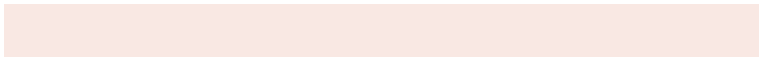
76.0059, 83.3042, 89.1642



76.7228, 83.3042, 96.8992



82.4374, 83.3042, 92.2617



81.6853, 83.3042, 84.7789

# Sweetspot

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



76.0083, 83.3077, 89.1660



92.8920, 98.9229, 107.1991



76.5443, 83.7445, 81.9432



19.9053, 21.1849, 22.9630



0.0000, 0.0000, 0.0000

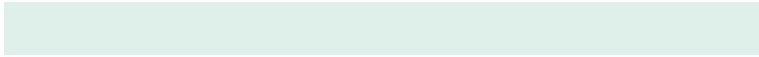


20.3446, 21.4041, 23.3091



# Same Dimension

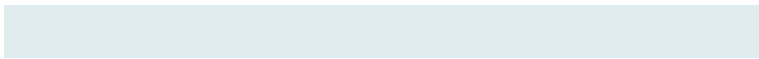
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0083, 83.3077, 89.1660



86.7311, 95.8510, 102.2066



76.3370, 82.5691, 93.5796



15.9813, 17.8225, 18.9244



20.1361, 35.3465, 21.8977



1.7232, 2.9597, 2.0748



# Inverse Universe

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



76.1302, 76.7853, 84.9412



86.8990, 86.8739, 96.3920



75.8077, 77.4589, 80.7687



16.0181, 15.8569, 17.6513



20.7418, 10.5692, 6.5570

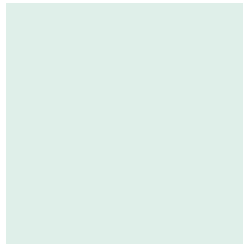


1.7723, 0.8979, 0.7916



# Previews

## White Background



This preview shows how the XYZ color 76.0059, 83.3042, 89.1642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

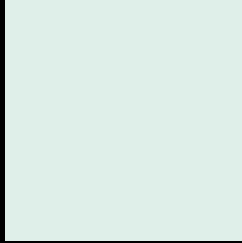
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0059, 83.3042, 89.1642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

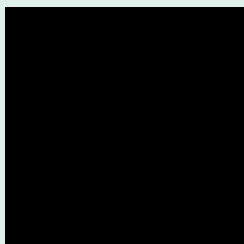
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

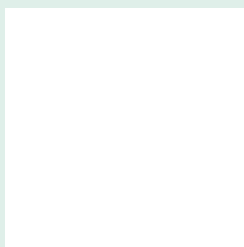
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.0059, 83.3042, 89.1642

## Background



This preview shows how black text looks on a background with the XYZ color 76.0059, 83.3042, 89.1642.



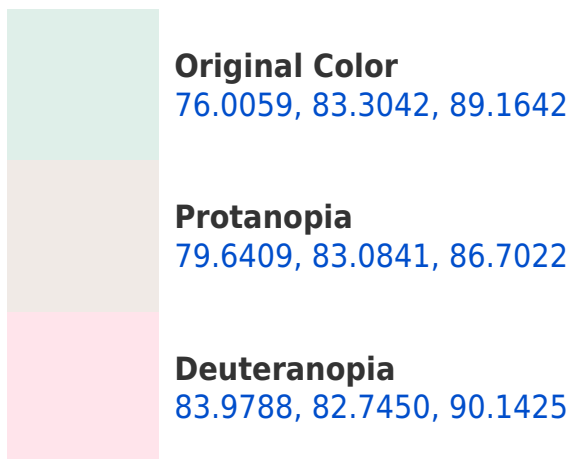
This preview shows how white text looks on a background with the XYZ color 76.0059, 83.3042,

89.1642.

# 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

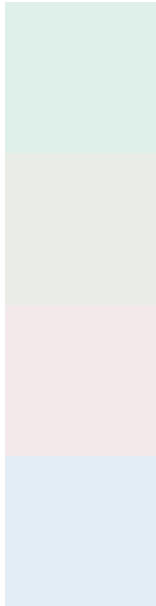




## Tritanopia

79.5634, 83.4776, 105.6853

# Trichromacy



## Original Color

76.0059, 83.3042, 89.1642

## Protanomaly

78.3509, 83.2529, 87.5412

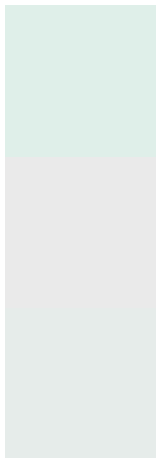
## Deuteranomaly

80.6700, 82.7084, 89.5545

## Tritanomaly

78.2828, 83.3909, 99.1589

# Monochromacy



## Original Color

76.0059, 83.3042, 89.1642

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.4799, 82.7544, 89.7315

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0059, 83.3042, 89.1642 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(223, 239, 233)` looks like.

```
.text, #text, p{  
    color:rgb(223, 239, 233)  
}
```

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(223, 239, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 239, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0059, 83.3042, 89.1642 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(223, 239, 233) }
```



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

```
.border{ border-color:rgb(223, 239, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 239, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 239, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 239, 233);  
box-shadow:4px 4px 4px 4px rgb(223, 239,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0059, 83.3042, 89.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 239, 233) }
```

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

```
.background{ background-color: rgb(223,  
239, 233) }
```

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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