

# Converting Colors

XYZ(75.1722, 82.8451, 83.0319)

Have a look what the booklet for  
XYZ(75.1722, 82.8451, 83.0319)  
contains.

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# **Color**

**XYZ(75.1976, 83.0165,  
83.2946)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0EFE1
RGB	224, 239, 225
RGB Percent	88%, 94%, 88%
CMY	0.1216, 0.0627, 0.1176
CMYK	0.06, 0.00, 0.06, 0.06
HSL	124°, 32%, 91%
HSV	124°, 6%, 94%
XYZ	75.1976, 83.0165, 83.2946
YIQ	232.9190, -4.4460, -7.5340

# Conversions

## Conversions Part 2

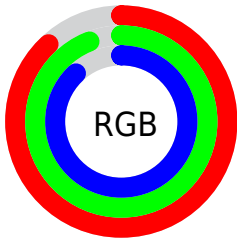
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 238, 239
Decimal	14741473
CIELab	93.02, -7.48, 5.05
CIELCh	93, 9.025, 145.948
Yxy	83.0165, 0.3114, 0.3437
Android (android.graphics.Color)	4292931553 (0xFFE0EFE1)
YUV	232.9190, -3.9041, -7.8220
Hunter-Lab	91.1134, -12.1290, 9.5773

# Details

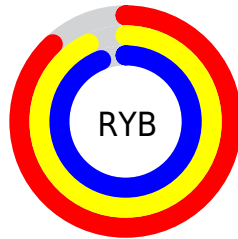
The XYZ color **75.1976, 83.0165, 83.2946** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6879, 77.8372, 91.8225**, and the grayscale version is **77.4240, 81.4561, 88.7056**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5514, 45.2043, 44.6182** is the 20% darker color. If you saturate the color by 10%, you get **65.4576, 78.3267, 67.9776**, and if you desaturate by 10%, it is **86.3811, 88.4093, 100.7580**.

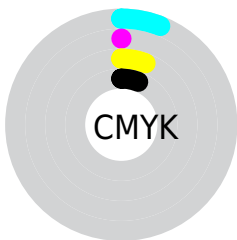
# Distribution



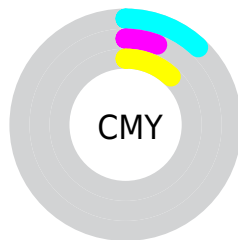
- Red (88%)
- Green (94%)
- Blue (88%)



- Red (88%)
- Yellow (93%)
- Blue (94%)



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



- Cyan (12%)
- Magenta (6%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1976, 83.0165, 83.2946 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 75.1976, 83.0165, 83.2946 by changing the saturation by 10% instead.



75.1976, 83.0165,  
83.2946

75.1976, 83.0165,  
83.2946

467.5832,  
505.0415, 525.9645

56.0695, 62.2038,  
61.8912

125.5784,  
137.5986, 139.8409

40.4959, 45.1974,  
44.5096

157.5619,  
172.1367, 175.8209

28.1113, 31.6129,  
30.7312

194.5613,  
212.0187, 217.4968

18.5505, 21.0660,  
20.1375

236.9418,  
257.6291, 265.2872

11.4480, 13.1723,  
12.3100

285.0689,  
309.3521, 319.6107

6.4385, 7.5473,  
6.8300

339.3080,

3.1567, 3.8067,

367.5723, 380.8857

3.2792

400.0243,  
432.6740, 449.5308

■ 1.2372, 1.5660,  
1.2389

■ 0.1354, 0.3345,  
0.0109

■ 75.1976, 83.0165,  
83.2946

■ 75.1976, 83.0165,  
83.2946

■ 65.4576, 78.3267,  
67.9776

■ 86.3811, 88.4093,  
100.7580

■ 57.0957, 74.3007,  
54.7191

■ 90.1581, 90.2162,  
107.2694

■ 50.0516, 70.9119,  
43.4329

■ 44.2581, 68.1275,  
34.0249

■ 39.6419, 65.9119,  
26.3931

■ 36.1222, 64.2258,  
20.4260

■ 33.6078, 63.0250,  
15.9995

■ 31.9927, 62.2577,  
12.9719

■ 31.1468, 61.8605,  
11.1757

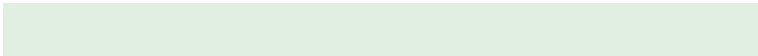
# Harmonies

## Analogous

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



76.9321, 83.0165, 79.1815



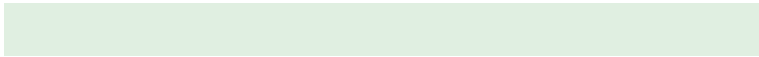
75.1976, 83.0165, 83.2946



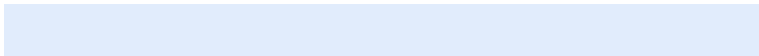
74.4561, 83.0165, 89.4740

# Triad

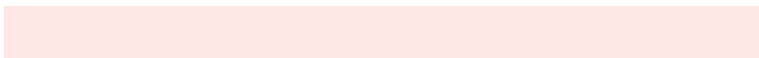
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1976, 83.0165, 83.2946



78.5839, 83.0165, 104.0104



83.0636, 83.0165, 84.8126

# Complementary

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



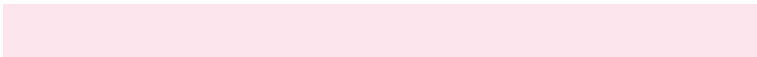
75.1976, 83.0165, 83.2946



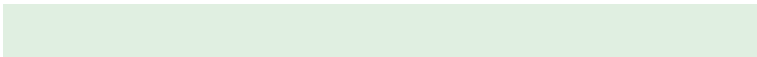
77.6879, 77.8372, 91.8225

# 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.



83.5270, 83.0165, 91.3140



75.1976, 83.0165, 83.2946



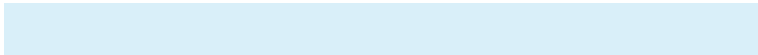
80.9107, 83.0165, 102.6111

# Square

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



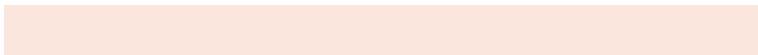
75.1976, 83.0165, 83.2946



76.3863, 83.0165, 101.6133



82.7317, 83.0165, 97.8791



81.4778, 83.0165, 80.0267



# Rectangle

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



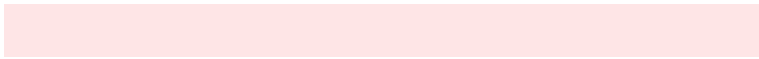
75.1976, 83.0165, 83.2946



74.6137, 83.0165, 94.0158



82.7317, 83.0165, 97.8791



83.3572, 83.0165, 86.8603

# Sweetspot

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



75.1999, 83.0201, 83.2964



92.4415, 98.7427, 104.8269



79.6685, 85.3394, 82.7954



19.8136, 21.1482, 22.4800



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

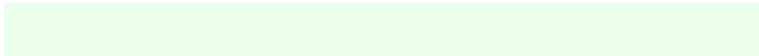


# Same Dimension

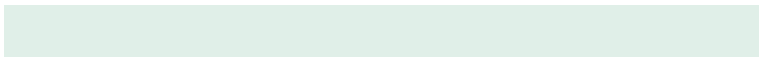
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1999, 83.0201, 83.2964



85.0235, 95.1679, 93.2142



76.2106, 83.4243, 88.6188



15.6086, 17.6735, 16.9620



17.1253, 34.1422, 6.0430



1.4395, 2.8462, 0.5809



# Inverse Universe

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



77.6879, 77.8372, 91.8225



88.6658, 87.5806, 105.6957



76.6435, 77.4195, 86.3227



16.4061, 16.0122, 19.6948



27.0568, 13.0951, 39.8110

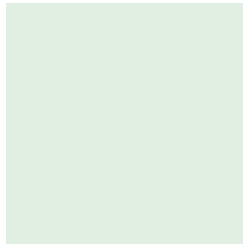


2.2645, 1.0948, 3.3836



# Previews

## White Background



This preview shows how the XYZ color 75.1976, 83.0165, 83.2946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

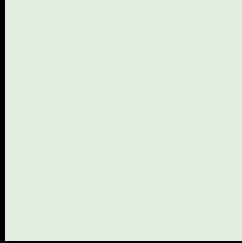
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1976, 83.0165, 83.2946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

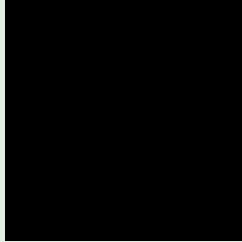
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

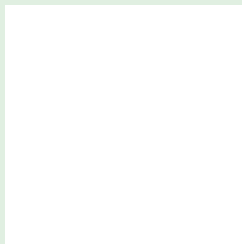
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.1976, 83.0165, 83.2946**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1976, 83.0165, 83.2946.



This preview shows how white text looks on a background with the XYZ color 75.1976, 83.0165,

83.2946.

# 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

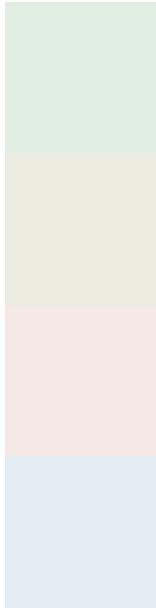




## Tritanopia

79.7511, 83.1665, 104.7779

# Trichromacy



## Original Color

75.1976, 83.0165, 83.2946

## Protanomaly

77.5757, 82.9808, 81.7403

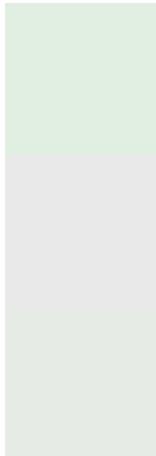
## Deuteranomaly

80.4507, 83.1124, 85.2009

## Tritanomaly

77.8517, 82.7929, 96.6714

# Monochromacy



## Original Color

75.1976, 83.0165, 83.2946

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.6244, 81.9528, 86.6429

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1976, 83.0165, 83.2946 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(224, 239, 225) looks like.

```
.text, #text, p{  
    color:rgb(224, 239, 225)  
}
```

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(224, 239, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 239, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1976, 83.0165, 83.2946 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(224, 239, 225) }
```



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

```
.border{ border-color:rgb(224, 239, 225) }
```

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

Here you see how a box with a 4 pixel rgb(224, 239, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 239, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 239, 225);  
box-shadow:4px 4px 4px 4px rgb(224, 239,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1976, 83.0165, 83.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 239, 225) }
```

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

```
.background{ background-color: rgb(224,  
239, 225) }
```

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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