

# Converting Colors

XYZ(71.8915, 78.1766, 84.3601)

Have a look what the booklet for  
XYZ(71.8915, 78.1766, 84.3601)  
contains.

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# **Color**

**XYZ(72.0736, 78.3747,  
84.7279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBE8E4
RGB	219, 232, 228
RGB Percent	86%, 91%, 89%
CMY	0.1412, 0.0902, 0.1059
CMYK	0.06, 0.00, 0.02, 0.09
HSL	162°, 22%, 88%
HSV	162°, 6%, 91%
XYZ	72.0736, 78.3747, 84.7279
YIQ	227.6570, -6.4640, -4.0000

# Conversions

## Conversions Part 2

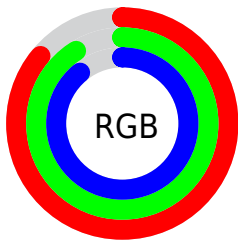
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 227, 232
Decimal	14412004
CIE Lab	90.95, -5.05, 0.44
CIE LCh	91, 5.064, 175.021
Yxy	78.3747, 0.3065, 0.3333
Android (android.graphics.Color)	4292602084 (0xFFDBE8E4)
YUV	227.6570, 0.1691, -7.5922
Hunter-Lab	88.5295, -9.6062, 5.2266

# Details

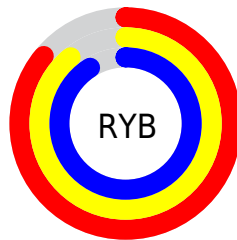
The XYZ color **72.0736, 78.3747, 84.7279** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.9324, 73.1486, 80.1436**, and the grayscale version is **73.4963, 77.3238, 84.2056**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3780, 41.9603, 45.6116** is the 20% darker color. If you saturate the color by 10%, you get **64.6036, 74.6382, 79.3094**, and if you desaturate by 10%, it is **80.5618, 82.6358, 90.4112**.

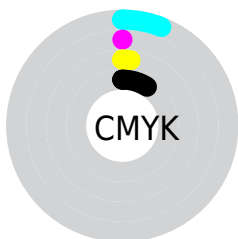
# Distribution



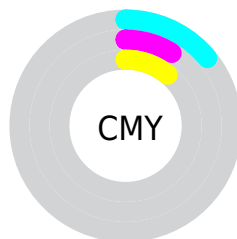
- Red (86%)
- Green (91%)
- Blue (89%)



- Red (86%)
- Yellow (89%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (14%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0736, 78.3747, 84.7279 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 72.0736, 78.3747, 84.7279 by changing the saturation by 10% instead.



■ 72.0736, 78.3747,  
84.7279

■ 72.0736, 78.3747,  
84.7279

456.9514,  
489.4384, 530.8484

■ 53.5045, 58.3818,  
63.0677

121.1714,  
131.0782, 141.8637

■ 38.4347, 42.1157,  
45.4546

152.4308,  
164.5576, 178.1765

■ 26.4990, 29.1919,  
31.4701

188.6510,  
203.3013, 220.2105

■ 17.3320, 19.2260,  
20.6956

230.1973,  
247.6938, 268.3843

■ 10.5682, 11.8337,  
12.7126

277.4352,  
298.1193, 323.1164

■ 5.8424, 6.6306,  
7.1026

330.7299,

■ 2.7893, 3.2321,

354.9623, 384.8255

3.4469

390.4469,  
418.6072, 453.9299

■ 1.0433, 1.2541,  
1.3271

■ 0.0000, 0.1052,  
0.0839

■ 72.0736, 78.3747,  
84.7279

■ 72.0736, 78.3747,  
84.7279

■ 64.6036, 74.6382,  
79.3094

■ 80.5618, 82.6358,  
90.4112

■ 58.1047, 71.3955,  
74.1461

■ 86.1684, 85.4043,  
96.1744

■ 52.5359, 68.6275,  
69.2351

■ 87.2643, 85.8427,  
101.9454

■ 47.8504, 66.3105,  
64.5715

■ 88.1481, 86.1962,  
106.5994

■ 43.9976, 64.4181,  
60.1504

■ 40.9214, 62.9217,  
55.9662

■ 38.5584, 61.7886,  
52.0133

■ 36.8351, 60.9809,  
48.2854

■ 35.6607, 60.4520,  
44.7751

# Harmonies

## Analogous

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



72.4992, 78.3747, 81.3689



72.0736, 78.3747, 84.7279



72.2901, 78.3747, 88.3453

# Triad

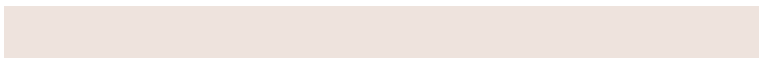
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0736, 78.3747, 84.7279



75.5360, 78.3747, 91.8681



75.9092, 78.3747, 79.7042

# Complementary

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



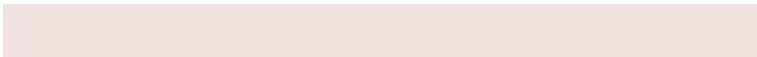
72.0736, 78.3747, 84.7279



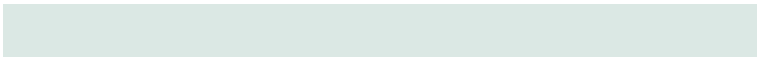
71.9324, 73.1486, 80.1436

# 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.



76.7398, 78.3747, 82.3973



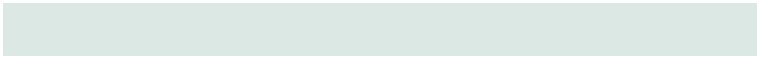
72.0736, 78.3747, 84.7279



76.5226, 78.3747, 89.4314

# Square

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



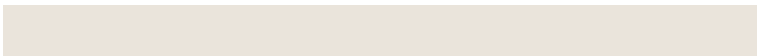
72.0736, 78.3747, 84.7279



74.2799, 78.3747, 92.5349



76.9655, 78.3747, 85.9485



74.7061, 78.3747, 78.5218



# Rectangle

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



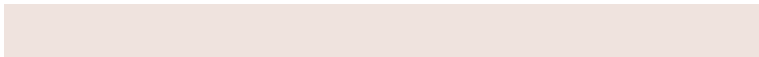
72.0736, 78.3747, 84.7279



72.7708, 78.3747, 90.4077



76.9655, 78.3747, 85.9485



76.2417, 78.3747, 80.4590

# Sweetspot

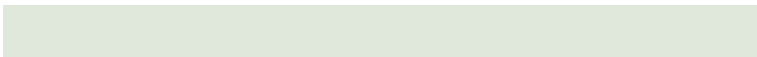
The Sweet Spot groups the original color and five complimentary colors.



72.0758, 78.3780, 84.7296



92.9467, 98.9448, 107.4873



72.1127, 78.5377, 78.3775



19.9165, 21.1893, 23.0216



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.



72.0758, 78.3780, 84.7296



87.9128, 96.4214, 104.0131



71.9717, 77.2699, 87.4691



14.9155, 16.4106, 17.6884



19.6292, 33.4838, 24.3457



1.4916, 2.4908, 2.0155



# Inverse Universe

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



71.9324, 73.1486, 80.1436



87.6918, 88.3650, 96.9481



72.0252, 74.1880, 77.5426



14.8752, 14.9387, 16.3977



19.1636, 9.7997, 4.4906

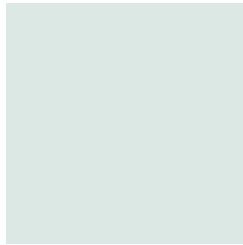


1.4566, 0.7403, 0.5448



# Previews

## White Background



This preview shows how the XYZ color 72.0736, 78.3747, 84.7279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

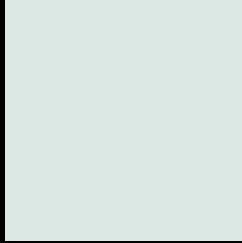
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0736, 78.3747, 84.7279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

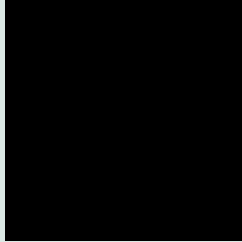
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

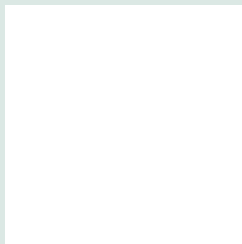
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.0736, 78.3747, 84.7279**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0736, 78.3747, 84.7279.



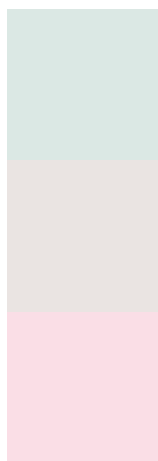
This preview shows how white text looks on a background with the XYZ color 72.0736, 78.3747,

84.7279.

# 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

72.0736, 78.3747, 84.7279

### Protanopia

75.4026, 78.4702, 83.1236

### Deuteranopia

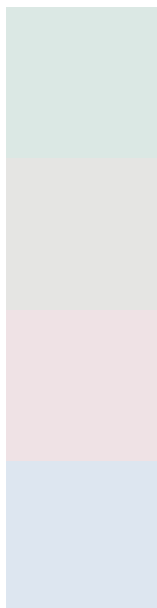
79.8285, 78.2797, 85.7650



## Tritanopia

74.9320, 78.2836, 99.1566

# Trichromacy



## Original Color

72.0736, 78.3747, 84.7279

## Protanomaly

74.1975, 78.2427, 83.8648

## Deuteranomaly

76.9358, 78.4006, 85.2066

## Tritanomaly

73.8438, 78.2571, 93.6512

# Monochromacy



## Original Color

72.0736, 78.3747, 84.7279

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.0742, 77.6476, 84.5349

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0736, 78.3747, 84.7279 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(219, 232, 228) looks like.

```
.text, #text, p{  
    color:rgb(219, 232, 228)  
}
```

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(219, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 232, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0736, 78.3747, 84.7279 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(219, 232, 228) }
```



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

```
.border{ border-color:rgb(219, 232, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(219, 232,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0736, 78.3747, 84.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 232, 228) }
```

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

```
.background{ background-color: rgb(219,  
232, 228) }
```

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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