

Converting Colors

XYZ(70.5213, 79.1540, 69.3068)

Have a look what the booklet for
XYZ(70.5213, 79.1540, 69.3068)
contains.

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Color

**XYZ(70.5466, 79.1966,
69.3259)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEBCD
RGB	221, 235, 205
RGB Percent	87%, 92%, 80%
CMY	0.1333, 0.0784, 0.1961
CMYK	0.06, 0.00, 0.13, 0.08
HSL	88°, 43%, 86%
HSV	88°, 13%, 92%
XYZ	70.5466, 79.1966, 69.3259
YIQ	227.3940, 1.2860, -12.2980

Conversions

Conversions Part 2

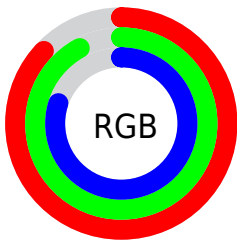
Format	Color
RYB	205, 235, 219
Decimal	14543821
CIELab	91.32, -9.89, 12.98
CIELCh	91, 16.323, 127.313
Yxy	79.1966, 0.3220, 0.3615
Android (android.graphics.Color)	4292733901 (0xFFDDEBCD)
YUV	227.3940, -11.0402, -5.6075
Hunter-Lab	88.9925, -14.2353, 16.1073

Details

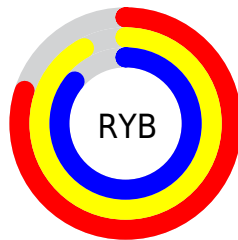
The XYZ color **70.5466, 79.1966, 69.3259** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.0432, 64.7231, 87.6134**, and the grayscale version is **73.3796, 77.2010, 84.0719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4319, 42.5816, 35.5243** is the 20% darker color. If you saturate the color by 10%, you get **64.6895, 76.4830, 55.3394**, and if you desaturate by 10%, it is **77.0524, 82.2000, 85.5701**.

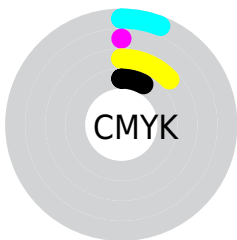
Distribution



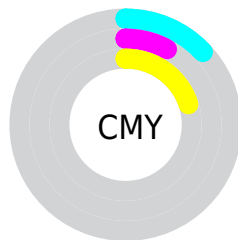
- Red (87%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5466, 79.1966, 69.3259 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 70.5466, 79.1966, 69.3259 by changing the saturation by 10% instead.

70.5466, 79.1966,
69.3259

70.5466, 79.1966,
69.3259

451.7034,
492.2212, 476.9046

52.2535, 59.0575,
50.5038

119.0099,
132.2356, 119.9190

37.4322, 42.6594,
35.4399

149.9109,
165.9043, 152.5271

25.7175, 29.6180,
23.7156

185.7451,
204.8515, 190.5675

16.7440, 19.5488,
14.9126

226.8780,
249.4618, 234.4589

10.1463, 12.0675,
8.6121

273.6749,
300.1196, 284.6198

5.5591, 6.7897,
4.3957

326.5013,

2.6170, 3.3309,

357.2091, 341.4687

1.8448

385.7223,
421.1148, 405.4241

■ 0.9546, 1.3068,
0.4573

■ 0.0000, 0.1465,
0.0000

■ 70.5466, 79.1966,
69.3259

■ 70.5466, 79.1966,
69.3259

■ 64.6895, 76.4830,
55.3394

■ 77.0524, 82.2000,
85.5701

■ 59.4515, 74.0392,
43.5057

■ 84.2222, 85.4921,
104.1606

■ 54.8102, 71.8584,
33.7189

■ 88.5993, 87.6933,
106.8646

■ 50.7392, 69.9293,
25.8623

■ 88.9999, 87.8998,
106.8833

■ 47.2094, 68.2400,
19.8076

■ 44.1888, 66.7771,
15.4105

■ 41.6412, 65.5254,
12.5051

■ 39.5234, 64.4672,
10.8905

■ 38.2135, 63.8036,
10.3013

Harmonies

Analogous

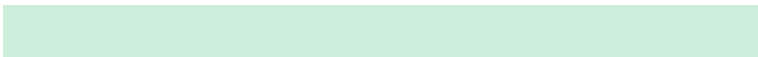
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2643, 79.1966, 65.5202



70.5466, 79.1966, 69.3259



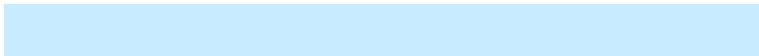
68.1593, 79.1966, 77.7263

Triad

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



70.5466, 79.1966, 69.3259



72.2424, 79.1966, 109.0457



83.4570, 79.1966, 83.3593

Complementary

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



70.5466, 79.1966, 69.3259



66.0432, 64.7231, 87.6134

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.



82.8674, 79.1966, 95.3359



70.5466, 79.1966, 69.3259



76.2928, 79.1966, 110.9038

Square

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



70.5466, 79.1966, 69.3259



69.1130, 79.1966, 100.8171



80.2080, 79.1966, 105.6840



81.7907, 79.1966, 73.1254

Rectangle

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



70.5466, 79.1966, 69.3259



67.5920, 79.1966, 85.1664



80.2080, 79.1966, 105.6840



83.5170, 79.1966, 87.3058

Sweetspot

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



70.5487, 79.2000, 69.3276



91.7210, 98.4686, 100.3983



70.6149, 72.7359, 68.0764



19.5012, 21.0160, 21.1581



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.



70.5487, 79.2000, 69.3276



83.2259, 94.5465, 79.3381



66.1837, 76.9498, 69.1233



15.6353, 17.2576, 16.0257



21.4154, 35.5845, 5.7398



1.7925, 2.8514, 0.4559

Inverse Universe

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



66.0432, 64.7231, 87.6134



76.9286, 74.3116, 104.8968



70.7614, 67.1554, 87.8342



14.8996, 14.8935, 19.0117



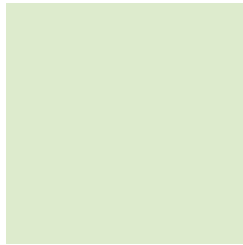
12.0472, 5.2465, 44.1207



1.0561, 0.4687, 3.4697

Previews

White Background



This preview shows how the XYZ color 70.5466, 79.1966, 69.3259 looks on a white background.

Color Contrast Check

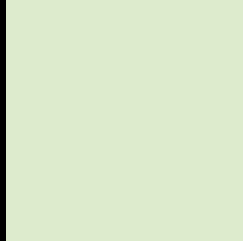
Large Text (above 18pt) WCAG AA × Fail

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 70.5466, 79.1966, 69.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

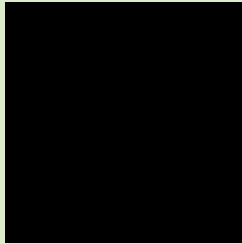
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

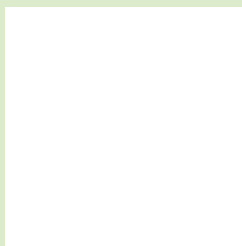
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5466, 79.1966, 69.3259

Background



This preview shows how black text looks on a background with the XYZ color 70.5466, 79.1966, 69.3259.



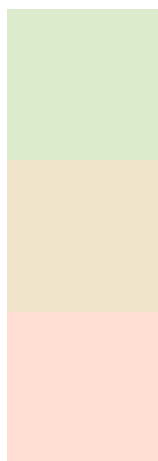
This preview shows how white text looks on a background with the XYZ color 70.5466, 79.1966,

69.3259.

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

70.5466, 79.1966, 69.3259

Protanopia

74.6152, 78.8282, 67.1598

Deuteranopia

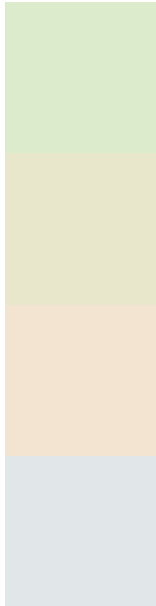
79.5113, 78.7888, 73.3044



Tritanopia

76.4864, 79.0849, 99.2293

Trichromacy



Original Color

70.5466, 79.1966, 69.3259

Protanomaly

72.9597, 78.7873, 67.8620

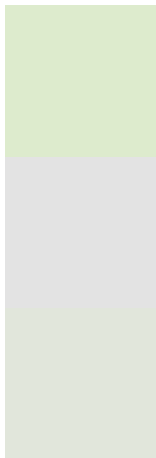
Deuteranomaly

75.9399, 78.5963, 71.4897

Tritanomaly

74.1927, 78.9856, 87.6793

Monochromacy



Original Color

70.5466, 79.1966, 69.3259

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1343, 77.7157, 78.2166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5466, 79.1966, 69.3259 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(221, 235, 205)` looks like.

```
.text, #text, p{  
    color:rgb(221, 235, 205)  
}
```

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(221, 235, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 235, 205) }
```

Border

The CSS property to change the border of an element to XYZ 70.5466, 79.1966, 69.3259 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(221, 235, 205) }
```


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

```
.border{ border-color:rgb(221, 235, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 235, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 235, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 235, 205);  
box-shadow:4px 4px 4px 4px rgb(221, 235,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5466, 79.1966, 69.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 235, 205) }
```

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

```
.background{ background-color: rgb(221,  
235, 205) }
```

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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