

Converting Colors

XYZ(69.0787, 79.3164, 66.5834)

Have a look what the booklet for
XYZ(69.0787, 79.3164, 66.5834)
contains.

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Color

**XYZ(69.0284, 79.3374,
66.3191)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EDC8
RGB	216, 237, 200
RGB Percent	85%, 93%, 78%
CMY	0.1529, 0.0706, 0.2157
CMYK	0.09, 0.00, 0.16, 0.07
HSL	94°, 51%, 86%
HSV	94°, 16%, 93%
XYZ	69.0284, 79.3374, 66.3191
YIQ	226.5030, -0.6390, -15.9590

Conversions

Conversions Part 2

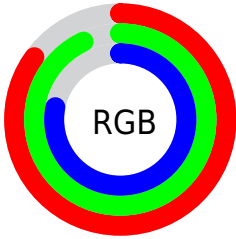
Format	Color
R_{YB}	200, 237, 221
Decimal	14216648
CIE _{Lab}	91.39, -13.44, 15.62
CIE _{LCh}	91, 20.603, 130.716
Y _{xy}	79.3374, 0.3215, 0.3696
Android (android.graphics.Color)	4292406728 (0xFFD8EDC8)
YUV	226.5030, -13.0660, -9.2111
Hunter-Lab	89.0715, -17.5418, 18.2051

Details

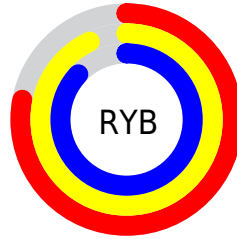
The XYZ color **69.0284, 79.3374, 66.3191** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.7623, 62.7974, 88.7800**, and the grayscale version is **72.7468, 76.5353, 83.3469**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4101, 42.7001, 33.5171** is the 20% darker color. If you saturate the color by 10%, you get **62.6577, 76.3512, 52.6657**, and if you desaturate by 10%, it is **76.1582, 82.6701, 82.2526**.

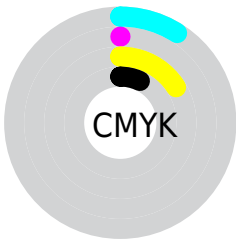
Distribution



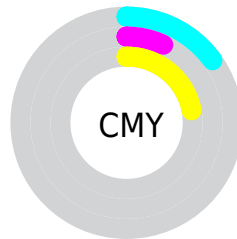
- Red (85%)
- Green (93%)
- Blue (78%)



- Red (78%)
- Yellow (93%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0284, 79.3374, 66.3191 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 69.0284, 79.3374, 66.3191 by changing the saturation by 10% instead.

69.0284, 79.3374,
66.3191

69.0284, 79.3374,
66.3191

446.4509,
492.6970, 465.9526

51.0116, 59.1733,
48.0734

116.8560,
132.4337, 115.5756

36.4389, 42.7526,
33.5246

147.3974,
166.1347, 147.4234

24.9450, 29.6911,
22.2542

182.8445,
205.1168, 184.6423

16.1646, 19.6042,
13.8437

223.5625,
249.7643, 227.6509

9.7323, 12.1077,
7.8745

269.9168,
300.4617, 276.8677

5.2827, 6.8170,
3.9282

322.2727,

2.4505, 3.3479,

357.5934, 332.7112

1.5860

380.9956,
421.5437, 395.6000

■ 0.8704, 1.3160,
0.2808

■ 0.0000, 0.1535,
0.0000

■ 69.0284, 79.3374,
66.3191

■ 69.0284, 79.3374,
66.3191

■ 62.6577, 76.3512,
52.6657

■ 76.1582, 82.6701,
82.2526

■ 57.0124, 73.6892,
41.1830

■ 84.0668, 86.3501,
100.5586

■ 52.0651, 71.3422,
31.7605

■ 89.5758, 89.0515,
107.0753

■ 47.7844, 69.2967,
24.2756

■ 44.1359, 67.5378,
18.5930

■ 41.0814, 66.0493,
14.5598

■ 38.5777, 64.8126,
11.9976

■ 36.5728, 63.8060,
10.6868

■ 35.8190, 63.4240,
10.3542

Harmonies

Analogous

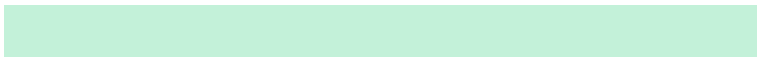
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5510, 79.3374, 61.0353



69.0284, 79.3374, 66.3191



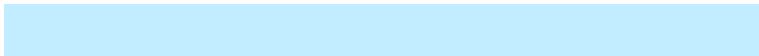
66.2972, 79.3374, 77.2070

Triad

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



69.0284, 79.3374, 66.3191



72.1311, 79.3374, 116.5636



85.7405, 79.3374, 81.1330

Complementary

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



69.0284, 79.3374, 66.3191



65.7623, 62.7974, 88.7800

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.



85.3170, 79.3374, 96.2628



69.0284, 79.3374, 66.3191



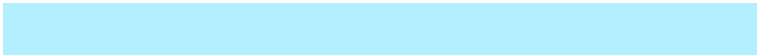
77.2956, 79.3374, 117.9305

Square

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



69.0284, 79.3374, 66.3191



68.0304, 79.3374, 106.5945



82.1687, 79.3374, 110.1378



83.3002, 79.3374, 68.9063

Rectangle

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



69.0284, 79.3374, 66.3191



65.7808, 79.3374, 86.7458



82.1687, 79.3374, 110.1378



85.9310, 79.3374, 86.0251

Sweetspot

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



69.0305, 79.3408, 66.3208



90.4519, 97.8589, 98.3227



71.2011, 73.8731, 65.1510



19.2261, 20.8832, 20.7391



0.0000, 0.0000, 0.0000



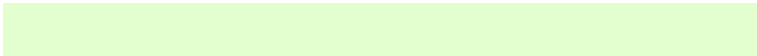
20.3446, 21.4041, 23.3091

Same Dimension

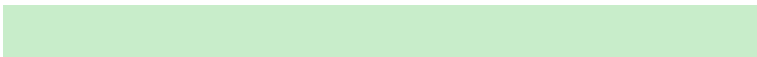
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0305, 79.3408, 66.3208



78.8034, 92.4150, 72.4279



64.8220, 77.1377, 67.6412



15.4860, 17.1806, 16.0187



19.6989, 34.6996, 5.6595



1.6552, 2.7806, 0.4495

Inverse Universe

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



65.7623, 62.7974, 88.7800



74.2027, 69.1291, 104.0401



70.5104, 65.2865, 87.1334



15.0496, 14.9708, 19.0187



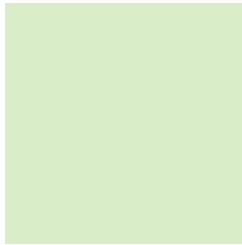
13.9128, 6.2082, 44.2080



1.2024, 0.5442, 3.4765

Previews

White Background



This preview shows how the XYZ color 69.0284, 79.3374, 66.3191 looks on a white background.

Color Contrast Check

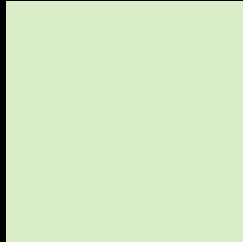
Large Text (above 18pt) WCAG AA × Fail

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 69.0284, 79.3374, 66.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

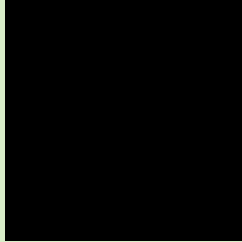
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

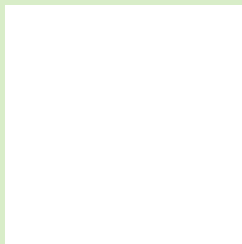
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0284, 79.3374, 66.3191

Background



This preview shows how black text looks on a background with the XYZ color 69.0284, 79.3374, 66.3191.



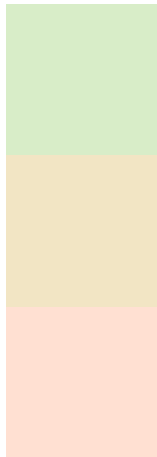
This preview shows how white text looks on a background with the XYZ color 69.0284, 79.3374,

66.3191.

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

69.0284, 79.3374, 66.3191

Protanopia

74.6011, 78.9014, 63.5221

Deuteranopia

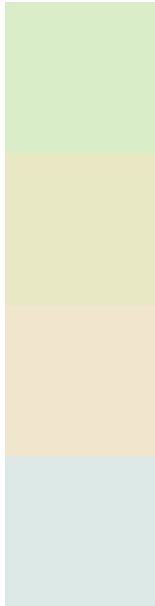
79.5285, 79.2245, 72.0730



Tritanopia

75.6715, 79.0589, 100.0785

Trichromacy



Original Color

69.0284, 79.3374, 66.3191

Protanomaly

72.5389, 79.0681, 64.2618

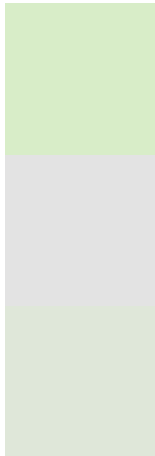
Deuteranomaly

75.4355, 79.1956, 69.7029

Tritanomaly

73.0779, 79.2630, 87.0490

Monochromacy



Original Color

69.0284, 79.3374, 66.3191

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.5317, 77.8496, 76.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0284, 79.3374, 66.3191 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(216, 237, 200)` looks like.

```
.text, #text, p{  
    color:rgb(216, 237, 200)  
}
```

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(216, 237, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 237, 200) }
```

Border

The CSS property to change the border of an element to XYZ 69.0284, 79.3374, 66.3191 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(216, 237, 200) }
```


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

```
.border{ border-color:rgb(216, 237, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 237, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 237, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 237, 200);  
box-shadow:4px 4px 4px 4px rgb(216, 237,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0284, 79.3374, 66.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 237, 200) }
```

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

```
.background{ background-color: rgb(216,  
237, 200) }
```

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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