

Converting Colors

XYZ(67.7556, 75.9505, 67.9120)

Have a look what the booklet for
XYZ(67.7556, 75.9505, 67.9120)
contains.

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Color

**XYZ(67.7939, 76.1104,
68.2444)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E7CC
RGB	216, 231, 204
RGB Percent	85%, 91%, 80%
CMY	0.1529, 0.0941, 0.2000
CMYK	0.06, 0.00, 0.12, 0.09
HSL	93°, 36%, 85%
HSV	93°, 12%, 91%
XYZ	67.7939, 76.1104, 68.2444
YIQ	223.4370, -0.2730, -11.5770

Conversions

Conversions Part 2

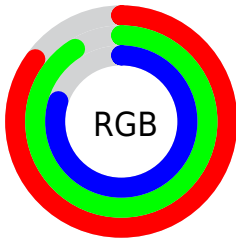
Format	Color
RYB	204, 231, 219
Decimal	14215116
CIELab	89.91, -9.77, 11.45
CIElCh	90, 15.050, 130.489
Yxy	76.1104, 0.3196, 0.3588
Android (android.graphics.Color)	4292405196 (0xFFD8E7CC)
YUV	223.4370, -9.5824, -6.5222
Hunter-Lab	87.2413, -13.9625, 14.6893

Details

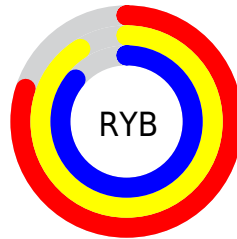
The XYZ color **67.7939, 76.1104, 68.2444** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.2331, 64.0174, 84.5238**, and the grayscale version is **70.5180, 74.1905, 80.7934**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5329, 40.4390, 34.7869** is the 20% darker color. If you saturate the color by 10%, you get **61.5815, 73.2068, 54.5476**, and if you desaturate by 10%, it is **74.7177, 79.3377, 84.1228**.

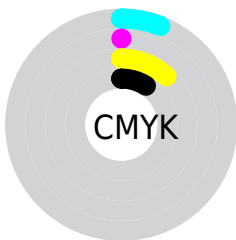
Distribution



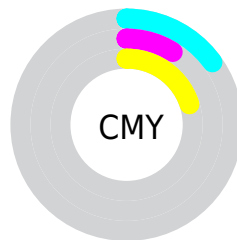
- Red (85%)
- Green (91%)
- Blue (80%)



- Red (80%)
- Yellow (91%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7939, 76.1104, 68.2444 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 67.7939, 76.1104, 68.2444 by changing the saturation by 10% instead.

■ 67.7939, 76.1104,
68.2444

■ 67.7939, 76.1104,
68.2444

442.1536,
481.7255, 472.9830

■ 50.0031, 56.5230,
49.6287

115.1008,
127.8830, 118.3592

■ 35.6337, 40.6224,
34.7493

145.3476,
160.8369, 150.6954

■ 24.3202, 28.0242,
23.1878

180.4772,
199.0152, 188.4421

■ 15.6974, 18.3439,
14.5257

220.8549,
242.8023, 232.0179

■ 9.3997, 11.1972,
8.3443

266.8460,
292.5824, 281.8414

■ 5.0620, 6.1996,
4.2251

318.8159,

■ 2.3188, 2.9668,

348.7401, 338.3310

1.7496

377.1300,
411.6597, 401.9054

■ 0.8043, 1.1144,
0.3944

■ 0.0000, 0.0000,
0.0000

■ 67.7939, 76.1104,
68.2444

■ 67.7939, 76.1104,
68.2444

■ 61.5815, 73.2068,
54.5476

■ 74.7177, 79.3377,
84.1228

■ 56.0496, 70.6063,
42.9321

■ 82.3702, 82.8890,
102.2672

■ 51.1738, 68.3010,
33.2974

■ 87.6866, 85.5416,
106.4973

■ 46.9260, 66.2786,
25.5324

■ 87.8674, 85.6349,
106.5058

■ 43.2755, 64.5261,
19.5152

■ 40.1886, 63.0291,
15.1094

■ 37.6273, 61.7714,
12.1585

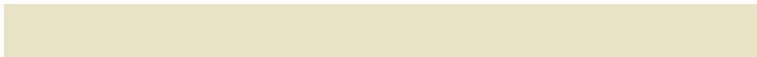
■ 35.5475, 60.7343,
10.4743

■ 34.1308, 60.0178,
9.7857

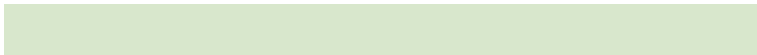
Harmonies

Analogous

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



71.0460, 76.1104, 64.3123



67.7939, 76.1104, 68.2444



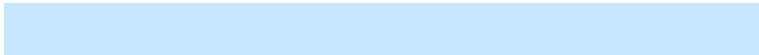
65.8043, 76.1104, 76.2146

Triad

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



67.7939, 76.1104, 68.2444



69.9774, 76.1104, 103.7240



79.6061, 76.1104, 79.1967

Complementary

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



67.7939, 76.1104, 68.2444



65.2331, 64.0174, 84.5238

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.



79.2961, 76.1104, 89.9047



67.7939, 76.1104, 68.2444



73.6510, 76.1104, 104.6958

Square

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



67.7939, 76.1104, 68.2444



67.0347, 76.1104, 96.9003



77.0863, 76.1104, 99.4517



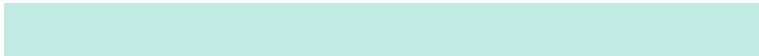
77.9194, 76.1104, 70.2662

Rectangle

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



67.7939, 76.1104, 68.2444



65.4196, 76.1104, 83.0464



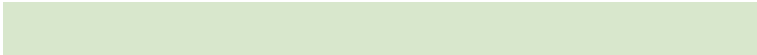
77.0863, 76.1104, 99.4517



79.7334, 76.1104, 82.6964

Sweetspot

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



67.7960, 76.1137, 68.2461



91.3964, 98.3013, 100.3831



69.1494, 71.9363, 67.3684



19.4191, 20.9737, 21.1542



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.



67.7960, 76.1137, 68.2461



82.9007, 94.3403, 81.0653



64.5418, 74.4173, 68.9429



14.7942, 16.4010, 15.2904



19.2711, 33.7161, 5.4922



1.5295, 2.5459, 0.4108

Inverse Universe

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



65.2331, 64.0174, 84.5238



79.1025, 76.4142, 105.1880



68.7846, 65.8702, 83.6982



14.3448, 14.2800, 18.1446



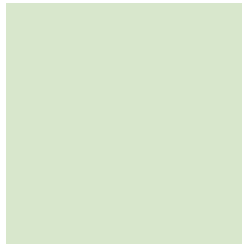
13.2517, 5.8974, 42.8230



1.0857, 0.4907, 3.1695

Previews

White Background



This preview shows how the XYZ color 67.7939, 76.1104, 68.2444 looks on a white background.

Color Contrast Check

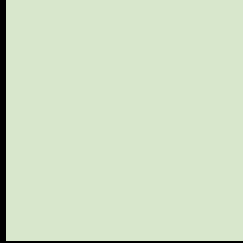
Large Text (above 18pt) WCAG AA × Fail

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 67.7939, 76.1104, 68.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

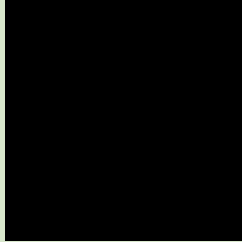
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

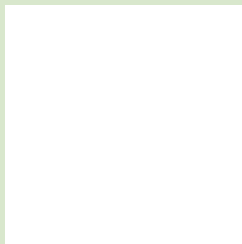
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7939, 76.1104, 68.2444

Background



This preview shows how black text looks on a background with the XYZ color 67.7939, 76.1104, 68.2444.

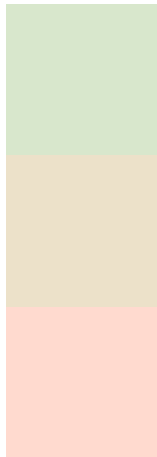


This preview shows how white text looks on a background with the XYZ color 67.7939, 76.1104,

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

67.7939, 76.1104, 68.2444

Protanopia

72.0599, 75.9003, 66.1106

Deuteranopia

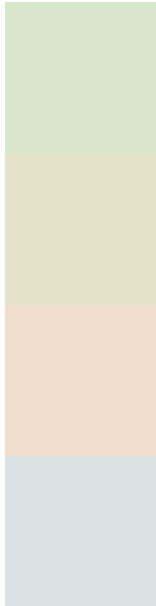
77.5739, 75.9078, 69.5946



Tritanopia

73.2271, 75.8511, 95.5753

Trichromacy



Original Color

67.7939, 76.1104, 68.2444

Protanomaly

70.4429, 75.8605, 66.8069

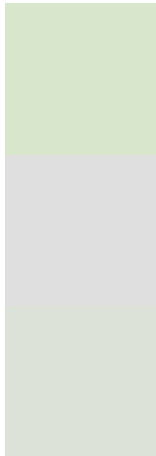
Deuteranomaly

73.8039, 75.9324, 69.1590

Tritanomaly

71.1271, 75.8110, 85.0129

Monochromacy



Original Color

67.7939, 76.1104, 68.2444

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.1062, 74.5662, 75.7162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7939, 76.1104, 68.2444 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, 231, 204)` looks like.

```
.text, #text, p{  
    color:rgb(216, 231, 204)  
}
```

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, 231, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 231, 204) }
```

Border

The CSS property to change the border of an element to XYZ 67.7939, 76.1104, 68.2444 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, 231, 204) }
```


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

```
.border{ border-color:rgb(216, 231, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 231, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 231, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 231, 204);  
box-shadow:4px 4px 4px 4px rgb(216, 231,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7939, 76.1104, 68.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 231, 204) }
```

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

```
.background{ background-color: rgb(216,  
231, 204) }
```

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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