

Converting Colors

XYZ(67.6645, 76.5757, 55.4948)

Have a look what the booklet for
XYZ(67.6645, 76.5757, 55.4948)
contains.

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Color

**XYZ(67.7315, 76.7786,
55.5059)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE8B6
RGB	223, 232, 182
RGB Percent	87%, 91%, 71%
CMY	0.1255, 0.0902, 0.2863
CMYK	0.04, 0.00, 0.22, 0.09
HSL	71°, 52%, 81%
HSV	71°, 22%, 91%
XYZ	67.7315, 76.7786, 55.5059
YIQ	223.6090, 10.6860, -17.4580

Conversions

Conversions Part 2

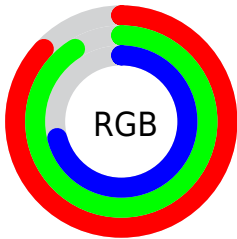
Format	Color
RYB	182, 232, 191
Decimal	14674102
CIELab	90.22, -11.24, 23.37
CIELCh	90, 25.932, 115.688
Yxy	76.7786, 0.3386, 0.3839
Android (android.graphics.Color)	4292864182 (0xFFDFE8B6)
YUV	223.6090, -20.5132, -0.5341
Hunter-Lab	87.6234, -15.3633, 23.7785

Details

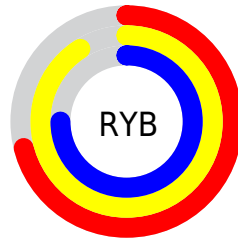
The XYZ color **67.7315, 76.7786, 55.5059** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.7824, 50.3606, 83.2868**, and the grayscale version is **70.7106, 74.3930, 81.0140**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **35.4241, 40.8511, 26.7869** is the 20% darker color. If you saturate the color by 10%, you get **64.2590, 75.2453, 43.8476**, and if you desaturate by 10%, it is **71.6371, 78.4940, 69.2611**.

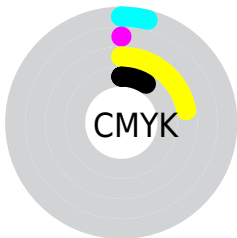
Distribution



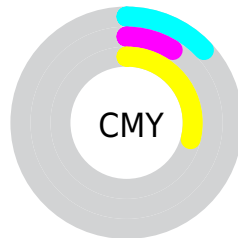
- Red (87%)
- Green (91%)
- Blue (71%)



- Red (71%)
- Yellow (91%)
- Blue (75%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7315, 76.7786, 55.5059 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 67.7315, 76.7786, 55.5059 by changing the saturation by 10% instead.

67.7315, 76.7786,
55.5059

67.7315, 76.7786,
55.5059

441.9358,
484.0088, 425.1626

49.9522, 57.0712,
39.4056

115.0120,
128.8269, 99.7604

35.5931, 41.0624,
26.7651

145.2439,
161.9366, 128.7516

24.2887, 28.3678,
17.1660

180.3573,
200.2825, 162.8768

15.6738, 18.6031,
10.1897

220.7177,
244.2490, 202.5547

9.3830, 11.3839,
5.4177

266.6904,
294.2204, 248.2036

5.0510, 6.3256,
2.4314

318.6408,

2.3123, 3.0441,

350.5813, 300.2422

0.8035

376.9341,
413.7160, 359.0891

0.8009, 1.1548,
0.0000

0.0000, 0.0243,
0.0000

67.7315, 76.7786,
55.5059

67.7315, 76.7786,
55.5059

64.2590, 75.2453,
43.8476

71.6371, 78.4940,
69.2611

61.1937, 73.8759,
34.1783

75.9882, 80.3887,
85.2041

58.5164, 72.6654,
26.3880

80.8041, 82.4730,
103.4266

56.2033, 71.6041,
20.3540

82.7462, 83.4116,
106.3466

■ 54.2283, 70.6816,
15.9389

■ 84.1789, 84.1502,
106.4136

■ 52.5611, 69.8858,
12.9852

■ 85.6444, 84.9057,
106.4822

■ 51.1657, 69.2022,
11.3039

■ 87.1430, 85.6783,
106.5524

■ 50.1493, 68.6924,
10.6158

■ 88.1482, 86.1965,
106.5994

Harmonies

Analogous

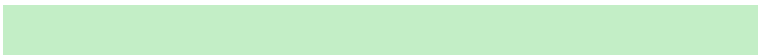
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9120, 76.7786, 52.9513



67.7315, 76.7786, 55.5059



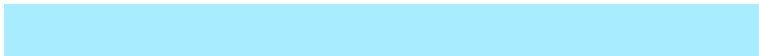
63.2052, 76.7786, 65.1358

Triad

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



67.7315, 76.7786, 55.5059



66.2067, 76.7786, 116.4965



86.0523, 76.7786, 86.2973

Complementary

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



67.7315, 76.7786, 55.5059



52.7824, 50.3606, 83.2868

Split Complementary

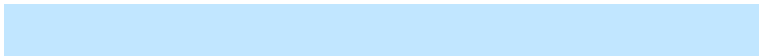
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7047, 76.7786, 105.2576



67.7315, 76.7786, 55.5059



72.0475, 76.7786, 124.2468

Square

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



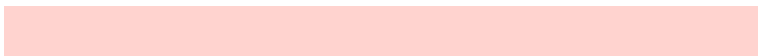
67.7315, 76.7786, 55.5059



62.3619, 76.7786, 99.9571



78.4840, 76.7786, 119.8593



84.7304, 76.7786, 69.1304

Rectangle

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



67.7315, 76.7786, 55.5059



61.6079, 76.7786, 75.1239



78.4840, 76.7786, 119.8593



85.6625, 76.7786, 92.6883

Sweetspot

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



67.7335, 76.7820, 55.5075



91.6772, 98.5346, 96.3918



60.2106, 57.5069, 52.1836



19.5468, 21.0574, 20.3535



0.0000, 0.0000, 0.0000



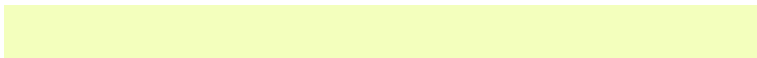
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7335, 76.7820, 55.5075



81.8956, 94.2465, 61.8486



60.7676, 73.1910, 55.1815



15.3337, 16.6791, 15.3157



27.9371, 38.1836, 5.8977



2.1311, 2.8560, 0.4389

Inverse Universe

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



52.7824, 50.3606, 83.2868



60.1739, 55.8539, 102.2171



59.4183, 53.7815, 83.5974



13.8237, 14.0113, 18.1202



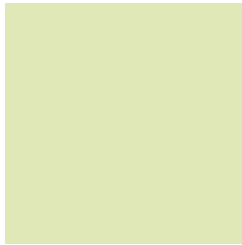
8.6864, 3.5439, 42.6094



0.7125, 0.2983, 3.1520

Previews

White Background



This preview shows how the XYZ color 67.7315, 76.7786, 55.5059 looks on a white background.

Color Contrast Check

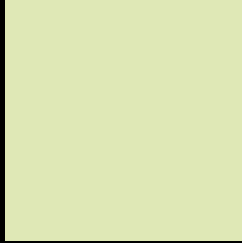
Large Text (above 18pt) WCAG AA × Fail

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 67.7315, 76.7786, 55.5059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

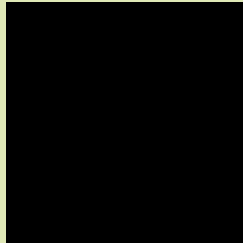
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

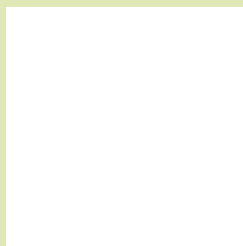
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7315, 76.7786, 55.5059

Background



This preview shows how black text looks on a background with the XYZ color 67.7315, 76.7786, 55.5059.



This preview shows how white text looks on a background with the XYZ color 67.7315, 76.7786,

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

67.7315, 76.7786, 55.5059

Protanopia

71.6087, 76.3482, 53.6103

Deuteranopia

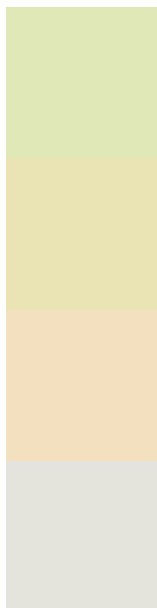
76.7970, 76.4319, 62.9298



Tritanopia

75.6377, 76.7110, 94.8246

Trichromacy



Original Color

67.7315, 76.7786, 55.5059

Protanomaly

69.9133, 76.2745, 54.2176

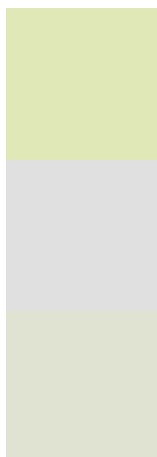
Deuteranomaly

73.0218, 76.1276, 60.1356

Tritanomaly

72.3823, 76.5995, 78.6804

Monochromacy



Original Color

67.7315, 76.7786, 55.5059

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.7182, 75.3889, 71.1986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7315, 76.7786, 55.5059 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(223, 232, 182)` looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 182)  
}
```

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(223, 232, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 182) }
```

Border

The CSS property to change the border of an element to XYZ 67.7315, 76.7786, 55.5059 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(223, 232, 182) }
```


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

```
.border{ border-color:rgb(223, 232, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 232, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 232, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 232, 182);  
box-shadow:4px 4px 4px 4px rgb(223, 232,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7315, 76.7786, 55.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 182) }
```

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

```
.background{ background-color: rgb(223,  
232, 182) }
```

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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