

Converting Colors

XYZ(67.1690, 77.7410, 56.2651)

Have a look what the booklet for
XYZ(67.1690, 77.7410, 56.2651)
contains.

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Color

**XYZ(67.1690, 77.7410,
56.2651)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEBB7
RGB	218, 235, 183
RGB Percent	85%, 92%, 72%
CMY	0.1451, 0.0784, 0.2823
CMYK	0.07, 0.00, 0.22, 0.08
HSL	80°, 57%, 82%
HSV	80°, 22%, 92%
XYZ	67.1690, 77.7410, 56.2651
YIQ	223.9890, 6.5600, -19.7760

Conversions

Conversions Part 2

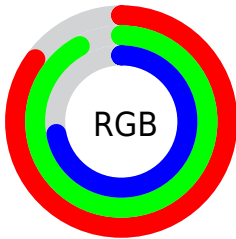
Format	Color
RYB	183, 235, 200
Decimal	14347191
CIELab	90.66, -14.39, 23.41
CIELCh	91, 27.474, 121.576
Yxy	77.7410, 0.3339, 0.3864
Android (android.graphics.Color)	4292537271 (0xFFDAEBB7)
YUV	223.9890, -20.2076, -5.2524
Hunter-Lab	88.1709, -18.3168, 23.8844

Details

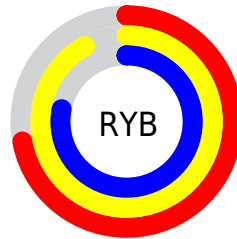
The XYZ color **67.1690, 77.7410, 56.2651** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.7515, 52.1467, 85.7284**, and the grayscale version is **70.9820, 74.6786, 81.3250**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **35.2536, 41.6384, 27.2981** is the 20% darker color. If you saturate the color by 10%, you get **62.6800, 75.6886, 44.3353**, and if you desaturate by 10%, it is **72.1771, 80.0185, 70.3542**.

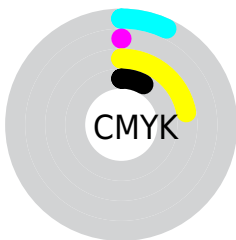
Distribution



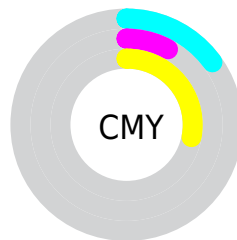
- Red (85%)
- Green (92%)
- Blue (72%)



- Red (72%)
- Yellow (92%)
- Blue (78%)



- Cyan (7%)
- Magenta (0%)
- Yellow (22%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1690, 77.7410, 56.2651 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 67.1690, 77.7410, 56.2651 by changing the saturation by 10% instead.

67.1690, 77.7410,
56.2651

67.1690, 77.7410,
56.2651

439.9691,
487.2868, 428.1061

49.4932, 57.8612,
40.0101

114.2110,
130.1849, 100.8817

35.2270, 41.6971,
27.2326

144.3079,
163.5179, 130.0804

24.0051, 28.8642,
17.5140

179.2758,
202.1041, 164.4308

15.4622, 18.9781,
10.4358

219.4802,
246.3279, 204.3513

9.2328, 11.6545,
5.5795

265.2864,
296.5736, 250.2606

4.9517, 6.5089,
2.5265

317.0597,

2.2534, 3.1569,

353.2258, 302.5771

0.8541

375.1655,
416.6687, 361.7195

■ 0.7707, 1.2142,
0.0000

■ 0.0000, 0.0732,
0.0000

■ 67.1690, 77.7410,
56.2651

■ 67.1690, 77.7410,
56.2651

■ 62.6800, 75.6886,
44.3353

■ 72.1771, 80.0185,
70.3542

■ 58.6823, 73.8423,
34.4530

■ 77.7185, 82.5192,
86.6969

■ 55.1544, 72.1959,
26.5040

■ 83.8142, 85.2543,
105.3881

■ 52.0708, 70.7390,
20.3607

■ 86.7340, 86.7317,
106.7773

■ 49.4028, 69.4600,
15.8805

■ 89.0000, 87.8999,
106.8833

■ 47.1176, 68.3456,
12.8990

■ 45.1761, 67.3799,
11.2185

■ 43.8418, 66.7052,
10.5647

Harmonies

Analogous

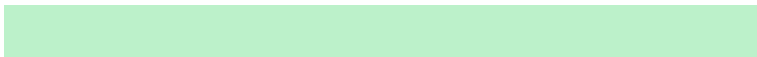
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5269, 77.7410, 52.1051



67.1690, 77.7410, 56.2651



62.8423, 77.7410, 67.8423

Triad

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



67.1690, 77.7410, 56.2651



67.7628, 77.7410, 122.5862



87.9389, 77.7410, 83.6079

Complementary

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



67.1690, 77.7410, 56.2651



55.7515, 52.1467, 85.7284

Split Complementary

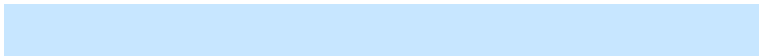
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1632, 77.7410, 104.0195



67.1690, 77.7410, 56.2651



74.2553, 77.7410, 128.5152

Square

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



67.1690, 77.7410, 56.2651



63.1698, 77.7410, 106.1062



81.0461, 77.7410, 121.2558



85.7603, 77.7410, 66.2952

Rectangle

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



67.1690, 77.7410, 56.2651



61.5461, 77.7410, 79.2095



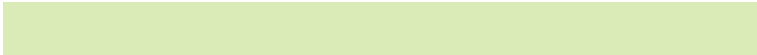
81.0461, 77.7410, 121.2558



87.7841, 77.7410, 90.3273

Sweetspot

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



67.1710, 77.7444, 56.2668



90.1931, 97.8129, 94.3618



63.3420, 62.1455, 53.4577



19.2187, 20.8970, 19.9428



0.0000, 0.0000, 0.0000



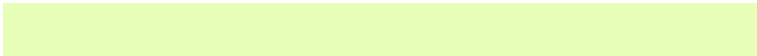
20.3446, 21.4041, 23.3091

Same Dimension

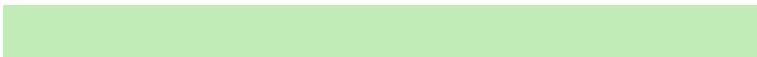
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1710, 77.7444, 56.2668



78.0756, 92.3088, 60.2404



60.1316, 74.1155, 55.9373



15.8455, 17.3659, 16.0355



24.5384, 37.1945, 5.8859



2.0272, 2.9724, 0.4669

Inverse Universe

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



55.7515, 52.1467, 85.7284



61.8400, 55.9074, 102.1396



63.1287, 55.9498, 86.0737



14.6951, 14.7881, 19.0021



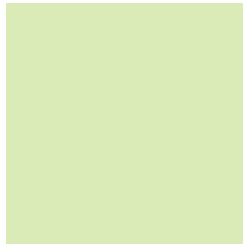
10.1613, 4.2743, 44.0324



0.8957, 0.3861, 3.4622

Previews

White Background



This preview shows how the XYZ color 67.1690, 77.7410, 56.2651 looks on a white background.

Color Contrast Check

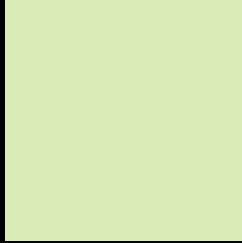
Large Text (above 18pt) WCAG AA × Fail

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 67.1690, 77.7410, 56.2651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

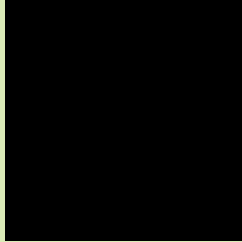
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

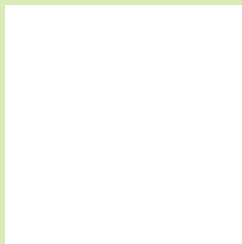
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1690, 77.7410, 56.2651

Background



This preview shows how black text looks on a background with the XYZ color 67.1690, 77.7410, 56.2651.

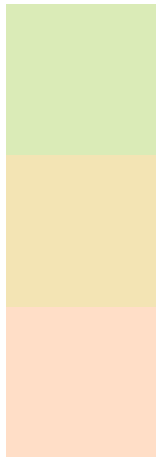


This preview shows how white text looks on a background with the XYZ color 67.1690, 77.7410,

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

67.1690, 77.7410, 56.2651

Protanopia

72.9438, 77.8368, 54.3595

Deuteranopia

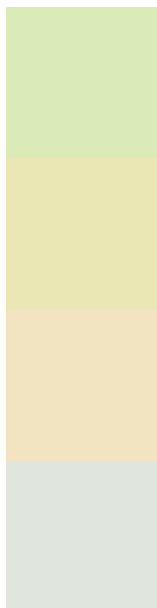
77.6701, 77.6261, 64.9225



Tritanopia

75.6291, 77.8616, 97.4289

Trichromacy



Original Color

67.1690, 77.7410, 56.2651

Protanomaly

70.8481, 77.9804, 55.0337

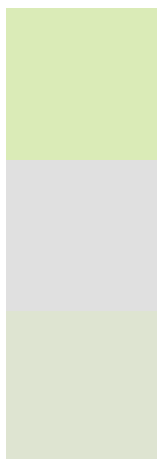
Deuteranomaly

73.7127, 77.6657, 61.5580

Tritanomaly

72.2221, 77.7148, 80.3012

Monochromacy



Original Color

67.1690, 77.7410, 56.2651

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3762, 75.6198, 71.2612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1690, 77.7410, 56.2651 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(218, 235, 183)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 183)  
}
```

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(218, 235, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 183) }
```

Border

The CSS property to change the border of an element to XYZ 67.1690, 77.7410, 56.2651 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(218, 235, 183) }
```


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

```
.border{ border-color:rgb(218, 235, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 235, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 183);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1690, 77.7410, 56.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 183) }
```

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

```
.background{ background-color: rgb(218,  
235, 183) }
```

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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