

Converting Colors

XYZ(67.3478, 76.1760, 54.8699)

Have a look what the booklet for
XYZ(67.3478, 76.1760, 54.8699)
contains.

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Color

**XYZ(67.3478, 76.1760,
54.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE7B5
RGB	223, 231, 181
RGB Percent	87%, 91%, 71%
CMY	0.1255, 0.0941, 0.2902
CMYK	0.03, 0.00, 0.22, 0.09
HSL	70°, 51%, 81%
HSV	70°, 22%, 91%
XYZ	67.3478, 76.1760, 54.8699
YIQ	222.9080, 11.2820, -17.2460

Conversions

Conversions Part 2

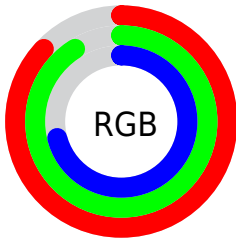
Format	Color
R_{YB}	181, 231, 189
Decimal	14673845
CIE _{Lab}	89.94, -10.89, 23.50
CIE _{LCh}	90, 25.900, 114.852
Yxy	76.1760, 0.3395, 0.3840
Android (android.graphics.Color)	4292863925 (0xFFDFE7B5)
YUV	222.9080, -20.6606, 0.0807
Hunter-Lab	87.2789, -15.0004, 23.8212

Details

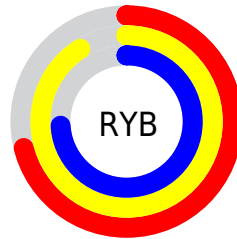
The XYZ color **67.3478, 76.1760, 54.8699** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.9370, 49.6382, 82.4493**, and the grayscale version is **70.2121, 73.8686, 80.4429**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **35.1626, 40.4339, 26.3733** is the 20% darker color. If you saturate the color by 10%, you get **64.0450, 74.7273, 43.3516**, and if you desaturate by 10%, it is **71.0725, 77.8015, 68.4626**.

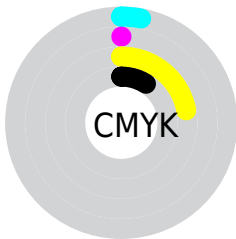
Distribution



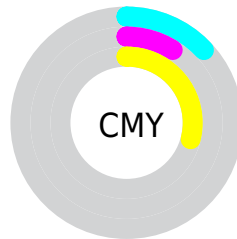
- Red (87%)
- Green (91%)
- Blue (71%)



- Red (71%)
- Yellow (91%)
- Blue (74%)



- Cyan (3%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3478, 76.1760, 54.8699 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 67.3478, 76.1760, 54.8699 by changing the saturation by 10% instead.

67.3478, 76.1760,
54.8699

67.3478, 76.1760,
54.8699

440.5948,
481.9500, 422.6866

49.6391, 56.5768,
38.8997

114.4657,
127.9757, 98.8196

35.3433, 40.6656,
26.3745

144.6055,
160.9450, 127.6361

24.0952, 28.0579,
16.8757

179.6198,
199.1397, 161.5717

15.5294, 18.3693,
9.9849

219.8738,
242.9444, 201.0451

9.2805, 11.2154,
5.2835

265.7330,
292.7434, 246.4748

4.9831, 6.2119,
2.3529

317.5626,

2.2720, 2.9744,

348.9210, 298.2792

0.7606

375.7281,
411.8618, 356.8770

0.7803, 1.1184,
0.0000

0.0000, 0.0000,
0.0000

67.3478, 76.1760,
54.8699

67.3478, 76.1760,
54.8699

64.0450, 74.7273,
43.3516

71.0725, 77.8015,
68.4626

61.1387, 73.4374,
33.8007

75.2314, 79.6011,
84.2196

58.6097, 72.3013,
26.1084

79.8435, 81.5848,
102.2316

56.4347, 71.3096,
20.1530

81.8181, 82.5164,
106.2227

■ 54.5878, 70.4520,
15.7987

■ 83.0712, 83.1625,
106.2814

■ 53.0392, 69.7164,
12.8892

■ 84.3500, 83.8217,
106.3412

■ 51.7531, 69.0886,
11.2373

■ 85.6546, 84.4942,
106.4023

■ 50.8316, 68.6275,
10.5673

■ 86.9851, 85.1801,
106.4645

■ 87.8675, 85.6350,
106.5058

Harmonies

Analogous

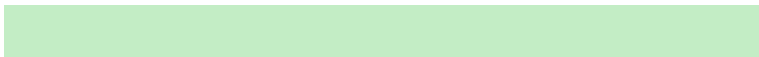
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5141, 76.1760, 52.5314



67.3478, 76.1760, 54.8699



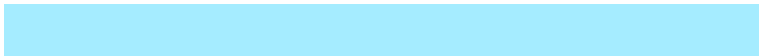
62.7896, 76.1760, 64.2437

Triad

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



67.3478, 76.1760, 54.8699



65.5397, 76.1760, 115.2663



85.3792, 76.1760, 86.1491

Complementary

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



67.3478, 76.1760, 54.8699



51.9370, 49.6382, 82.4493

Split Complementary

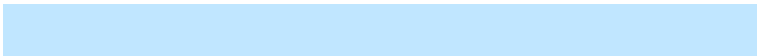
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9508, 76.1760, 104.9579



67.3478, 76.1760, 54.8699



71.3032, 76.1760, 123.2793

Square

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



67.3478, 76.1760, 54.8699



61.7896, 76.1760, 98.6723



77.7050, 76.1760, 119.2540



84.1671, 76.1760, 68.9804

Rectangle

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



67.3478, 76.1760, 54.8699



61.1505, 76.1760, 74.0602



77.7050, 76.1760, 119.2540



84.9575, 76.1760, 92.5085

Sweetspot

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



67.3498, 76.1794, 54.8715



91.7882, 98.5918, 96.3970



59.3883, 56.5077, 51.4941



19.5731, 21.0710, 20.3547



0.0000, 0.0000, 0.0000



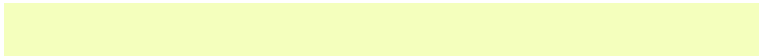
20.3446, 21.4041, 23.3091

Same Dimension

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



67.3498, 76.1794, 54.8715



82.3550, 94.4833, 61.8701



60.3398, 72.5656, 54.5435



15.3631, 16.6943, 15.3170



28.5836, 38.5169, 5.9280



2.1732, 2.8777, 0.4409

Inverse Universe

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



51.9370, 49.6382, 82.4493



59.8198, 55.6714, 102.2006



58.5360, 53.0401, 82.7581



13.7967, 13.9974, 18.1189



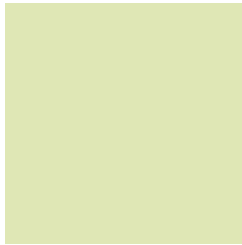
8.5810, 3.4896, 42.6045



0.6997, 0.2917, 3.1514

Previews

White Background



This preview shows how the XYZ color 67.3478, 76.1760, 54.8699 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 67.3478, 76.1760, 54.8699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

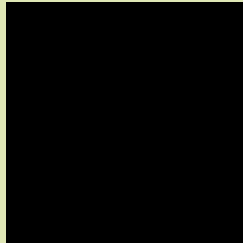
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

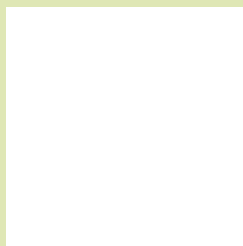
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3478, 76.1760, 54.8699

Background



This preview shows how black text looks on a background with the XYZ color 67.3478, 76.1760, 54.8699.



This preview shows how white text looks on a background with the XYZ color 67.3478, 76.1760,

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

67.3478, 76.1760, 54.8699

Protanopia

71.1674, 76.1323, 53.0636

Deuteranopia

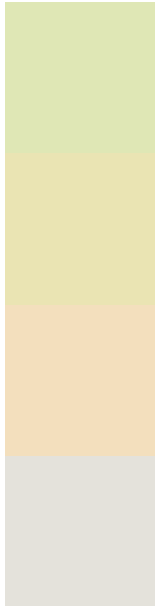
76.3091, 75.8181, 61.6514



Tritanopia

75.2199, 76.1152, 93.9463

Trichromacy



Original Color

67.3478, 76.1760, 54.8699

Protanomaly

69.8118, 76.2339, 53.6830

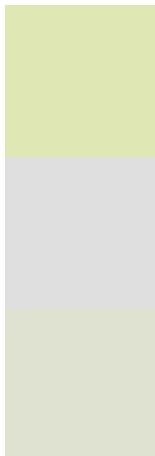
Deuteranomaly

72.5351, 75.5042, 58.8949

Tritanomaly

71.9774, 76.0012, 77.8939

Monochromacy



Original Color

67.3478, 76.1760, 54.8699

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.0129, 74.6348, 70.4431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3478, 76.1760, 54.8699 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, 231, 181)` looks like.

```
.text, #text, p{  
    color:rgb(223, 231, 181)  
}
```

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, 231, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 231, 181) }
```

Border

The CSS property to change the border of an element to XYZ 67.3478, 76.1760, 54.8699 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, 231, 181) }
```


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

```
.border{ border-color:rgb(223, 231, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 231, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 231, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 231, 181);  
box-shadow:4px 4px 4px 4px rgb(223, 231,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3478, 76.1760, 54.8699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 231, 181) }
```

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

```
.background{ background-color: rgb(223,  
231, 181) }
```

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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