

Converting Colors

XYZ(67.4056, 78.4833, 47.4066)

Have a look what the booklet for
XYZ(67.4056, 78.4833, 47.4066)
contains.

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Color

**XYZ(67.2184, 78.3955,
47.1864)**

Conversions

Conversions Part 1

Format	Color
Hex	DFECA5
RGB	223, 236, 165
RGB Percent	87%, 93%, 65%
CMY	0.1255, 0.0745, 0.3529
CMYK	0.06, 0.00, 0.30, 0.07
HSL	71°, 65%, 79%
HSV	71°, 30%, 93%
XYZ	67.2184, 78.3955, 47.1864
YIQ	224.0190, 15.0430, -24.8370

Conversions

Conversions Part 2

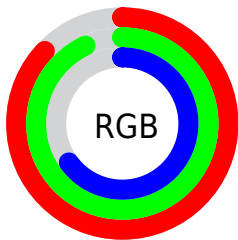
Format	Color
RYB	165, 236, 178
Decimal	14675109
CIELab	90.96, -15.56, 33.06
CIELCh	91, 36.544, 115.206
Yxy	78.3955, 0.3486, 0.4066
Android (android.graphics.Color)	4292865189 (0xFFDFECA5)
YUV	224.0190, -29.0964, -0.8937
Hunter-Lab	88.5412, -19.4342, 30.3814

Details

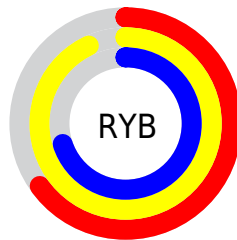
The XYZ color **67.2184, 78.3955, 47.1864** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.9587, 42.4335, 85.0768**, and the grayscale version is **71.0607, 74.7614, 81.4152**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **35.1822, 42.0279, 21.5871** is the 20% darker color. If you saturate the color by 10%, you get **63.9513, 76.9394, 36.8365**, and if you desaturate by 10%, it is **70.9200, 80.0347, 59.6288**.

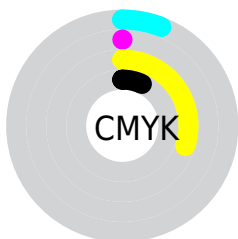
Distribution



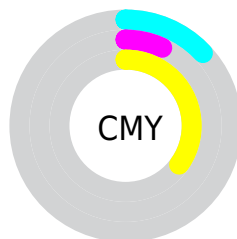
- Red (87%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (70%)



- Cyan (6%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2184, 78.3955, 47.1864 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 67.2184, 78.3955, 47.1864 by changing the saturation by 10% instead.

67.2184, 78.3955,
47.1864

67.2184, 78.3955,
47.1864

440.1420,
489.5090, 391.9734

49.5335, 58.3989,
32.8276

114.2814,
131.1075, 87.3447

35.2591, 42.1294,
21.7244

144.3901,
164.5917, 113.9813

24.0300, 29.2027,
13.4582

179.3709,
203.3406, 145.5476

15.4807, 19.2342,
7.6104

219.5890,
247.7386, 182.4621

9.2460, 11.8396,
3.7625

265.4098,
298.1700, 225.1434

4.9604, 6.6346,
1.4960


317.1987,


2.2585, 3.2346,


355.0193, 274.0100


0.2149


375.3210,
418.6708, 329.4805


 0.7733, 1.2554,
0.0000


 0.0000, 0.1063,
0.0000


 67.2184, 78.3955,
47.1864


 67.2184, 78.3955,
47.1864

 63.9513, 76.9394,
36.8365


 70.9200, 80.0347,
59.6288

 61.0905, 75.6471,
28.4592


 75.0704, 81.8546,
74.2649


 58.6139, 74.5123,
21.9300


 79.6907, 83.8666,
91.1955


 56.4945, 73.5243,
17.1082

 84.0815, 85.7906,
106.7354


 54.7015, 72.6706,
13.8330


 85.5690, 86.5575,
106.8050

 53.1983, 71.9366,
11.9130

 87.0918, 87.3425,
106.8763

 51.9327, 71.3025,
11.0256

 88.6500, 88.1458,
106.9492

 89.2871, 88.4743,
106.9790

Harmonies

Analogous

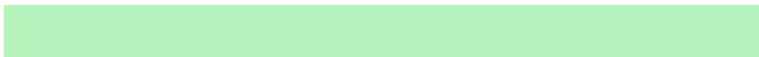
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0031, 78.3955, 44.1202



67.2184, 78.3955, 47.1864



60.8884, 78.3955, 59.5541

Triad

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



67.2184, 78.3955, 47.1864



64.8524, 78.3955, 134.1810



93.6006, 78.3955, 89.6705

Complementary

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



67.2184, 78.3955, 47.1864



46.9587, 42.4335, 85.0768

Split Complementary

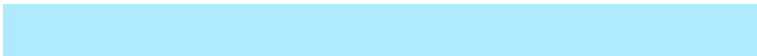
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0311, 78.3955, 117.7130



67.2184, 78.3955, 47.1864



73.0417, 78.3955, 146.5694

Square

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



67.2184, 78.3955, 47.1864



59.6034, 78.3955, 108.8458



82.3162, 78.3955, 139.9960



91.7212, 78.3955, 65.5206

Rectangle

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



67.2184, 78.3955, 47.1864



58.6606, 78.3955, 73.0469



82.3162, 78.3955, 139.9960



92.9903, 78.3955, 98.9830

Sweetspot

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



67.2204, 78.3990, 47.1881



90.0429, 97.8205, 90.5166



57.0756, 51.9302, 42.6138



19.1090, 20.8660, 18.7837



0.0000, 0.0000, 0.0000



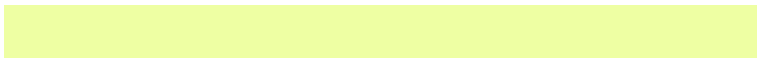
20.3446, 21.4041, 23.3091

Same Dimension

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



67.2204, 78.3990, 47.1881



77.7109, 92.3807, 48.4798



57.6934, 73.4877, 46.7422



16.0657, 17.4794, 16.0458



28.7264, 39.3535, 6.0819



2.3259, 3.1264, 0.4809

Inverse Universe

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



46.9587, 42.4335, 85.0768



50.0086, 43.1905, 100.3086



55.8457, 47.0149, 85.4927



14.4886, 14.6816, 18.9925



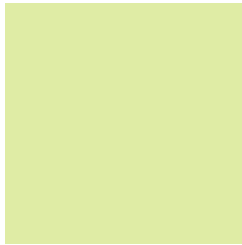
8.9780, 3.6643, 43.9770



0.7781, 0.3254, 3.4567

Previews

White Background



This preview shows how the XYZ color 67.2184, 78.3955, 47.1864 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 67.2184, 78.3955, 47.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

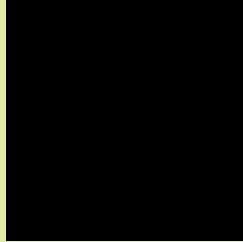
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

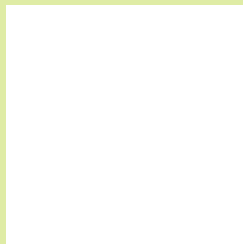
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2184, 78.3955, 47.1864

Background



This preview shows how black text looks on a background with the XYZ color 67.2184, 78.3955, 47.1864.

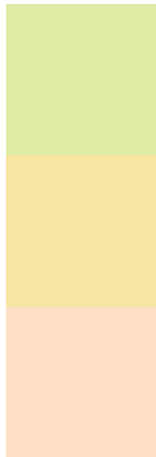


This preview shows how white text looks on a background with the XYZ color 67.2184, 78.3955,

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

67.2184, 78.3955, 47.1864

Protanopia

72.8987, 78.4214, 45.4771

Deuteranopia

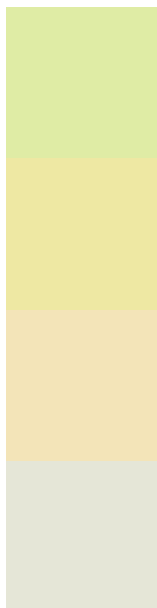
77.4780, 77.9755, 62.5970



Tritanopia

77.1298, 78.2480, 96.6262

Trichromacy



Original Color

67.2184, 78.3955, 47.1864

Protanomaly

70.7274, 78.5347, 46.0813

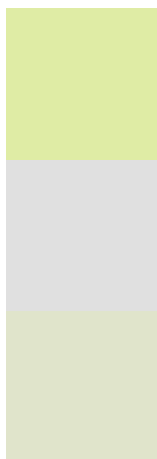
Deuteranomaly

73.3573, 78.0022, 56.5370

Tritanomaly

72.8757, 78.1579, 75.5350

Monochromacy



Original Color

67.2184, 78.3955, 47.1864

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.2634, 75.6459, 67.4505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2184, 78.3955, 47.1864 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, 236, 165)` looks like.

```
.text, #text, p{  
    color:rgb(223, 236, 165)  
}
```

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, 236, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 236, 165) }
```

Border

The CSS property to change the border of an element to XYZ 67.2184, 78.3955, 47.1864 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, 236, 165) }
```


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

```
.border{ border-color:rgb(223, 236, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 236, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 236, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 236, 165);  
box-shadow:4px 4px 4px 4px rgb(223, 236,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2184, 78.3955, 47.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 236, 165) }
```

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

```
.background{ background-color: rgb(223,  
236, 165) }
```

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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