

Converting Colors

XYZ(67.2193, 79.4047, 47.8466)

Have a look what the booklet for
XYZ(67.2193, 79.4047, 47.8466)
contains.

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Color

**XYZ(66.9727, 79.1179,
47.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEEA6
RGB	220, 238, 166
RGB Percent	86%, 93%, 65%
CMY	0.1373, 0.0666, 0.3490
CMYK	0.08, 0.00, 0.30, 0.07
HSL	75°, 68%, 79%
HSV	75°, 30%, 93%
XYZ	66.9727, 79.1179, 47.8178
YIQ	224.4100, 12.3840, -26.2080

Conversions

Conversions Part 2

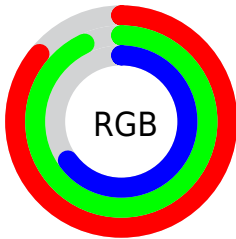
Format	Color
RYB	166, 238, 184
Decimal	14479014
CIELab	91.29, -17.52, 32.96
CIELCh	91, 37.323, 117.993
Yxy	79.1179, 0.3454, 0.4080
Android (android.graphics.Color)	4292669094 (0xFFDCEEA6)
YUV	224.4100, -28.7961, -3.8676
Hunter-Lab	88.9482, -21.2596, 30.3900

Details

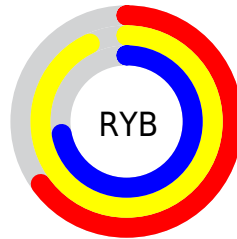
The XYZ color **66.9727, 79.1179, 47.8178** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.8390, 43.6379, 86.7422**, and the grayscale version is **71.3402, 75.0554, 81.7353**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **35.0184, 42.5407, 21.9883** is the 20% darker color. If you saturate the color by 10%, you get **63.2197, 77.4150, 37.2812**, and if you desaturate by 10%, it is **71.1979, 81.0225, 60.4887**.

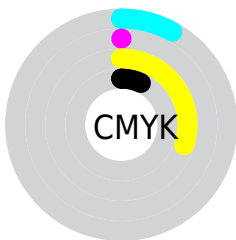
Distribution



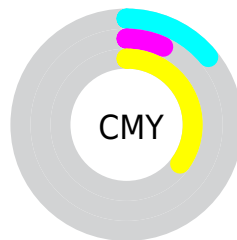
- Red (86%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (72%)



- Cyan (8%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)



- Cyan (14%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9727, 79.1179, 47.8178 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 66.9727, 79.1179, 47.8178 by changing the saturation by 10% instead.

66.9727, 79.1179,
47.8178

66.9727, 79.1179,
47.8178

439.2816,
491.9551, 394.5573

49.3331, 58.9928,
33.3237

113.9313,
132.1248, 88.2958

35.0994, 42.6073,
22.1014

143.9810,
165.7754, 115.1167

23.9063, 29.5771,
13.7324

178.8980,
204.7032, 146.8836

15.3885, 19.5178,
7.7981

219.0478,
249.2927, 184.0151

9.1806, 12.0450,
3.8801

264.7957,
299.9282, 226.9297

4.9172, 6.7744,
1.5598

316.5071,

2.2330, 3.3214,

356.9942, 276.0459

0.2619

374.5473,
420.8750, 331.7823

0.7601, 1.3017,
0.0000

0.0000, 0.1425,
0.0000

66.9727, 79.1179,
47.8178

66.9727, 79.1179,
47.8178

63.2197, 77.4150,
37.2812

71.1979, 81.0225,
60.4887

59.9099, 75.8940,
28.7562

75.9107, 83.1269,
75.3973

57.0202, 74.5483,
22.1155

81.1327, 85.4426,
92.6465

54.5226, 73.3666,
17.2152

85.8674, 87.5710,
106.9849

■ 52.3852, 72.3361,
13.8905

■ 87.9640, 88.6518,
107.0831

■ 50.5698, 71.4414,
11.9454

■ 89.8662, 89.6324,
107.1721

■ 49.0489, 70.6755,
11.0566

Harmonies

Analogous

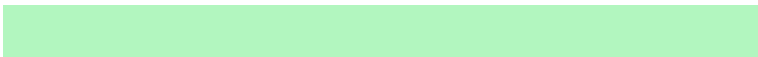
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8385, 79.1179, 43.8347



66.9727, 79.1179, 47.8178



60.7919, 79.1179, 61.3584

Triad

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



66.9727, 79.1179, 47.8178



65.9558, 79.1179, 138.3619



94.9029, 79.1179, 87.9847

Complementary

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



66.9727, 79.1179, 47.8178



48.8390, 43.6379, 86.7422

Split Complementary

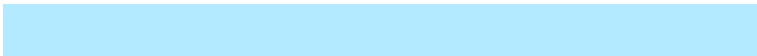
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.7199, 79.1179, 116.8448



66.9727, 79.1179, 47.8178



74.5635, 79.1179, 149.4743

Square

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



66.9727, 79.1179, 47.8178



60.2404, 79.1179, 113.0126



84.0732, 79.1179, 140.8810



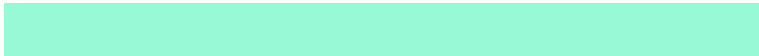
92.4496, 79.1179, 63.9152

Rectangle

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



66.9727, 79.1179, 47.8178



58.7588, 79.1179, 75.7474



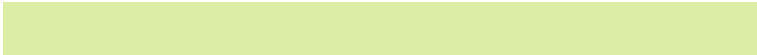
84.0732, 79.1179, 140.8810



94.4515, 79.1179, 97.4551

Sweetspot

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



66.9747, 79.1214, 47.8195



89.4927, 97.5368, 90.4909



59.2861, 55.2137, 43.6101



18.9727, 20.7958, 18.7774



0.0000, 0.0000, 0.0000



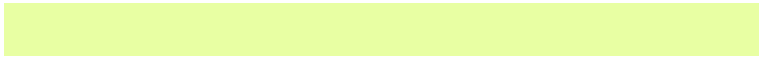
20.3446, 21.4041, 23.3091

Same Dimension

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



66.9747, 79.1214, 47.8195



75.6819, 91.3348, 48.3849



57.2273, 74.0964, 47.3633



16.7144, 18.2485, 16.7911



27.4873, 39.4918, 6.1739



2.3768, 3.3318, 0.5178

Inverse Universe

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



48.8390, 43.6379, 86.7422



51.4702, 43.9441, 100.3770



58.5868, 48.6630, 87.1984



15.2676, 15.4197, 19.8932



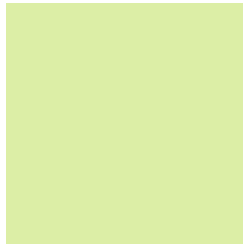
9.7326, 4.0227, 45.3914



0.8978, 0.3801, 3.7803

Previews

White Background



This preview shows how the XYZ color 66.9727, 79.1179, 47.8178 looks on a white background.

Color Contrast Check

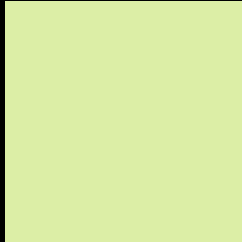
Large Text (above 18pt) WCAG AA × Fail

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 66.9727, 79.1179, 47.8178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

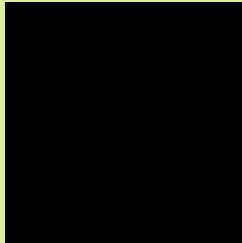
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

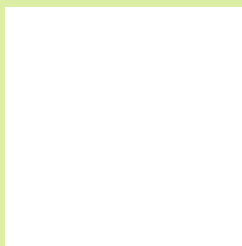
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9727, 79.1179, 47.8178

Background



This preview shows how black text looks on a background with the XYZ color 66.9727, 79.1179, 47.8178.

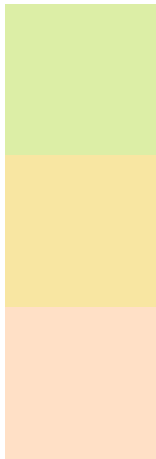


This preview shows how white text looks on a background with the XYZ color 66.9727, 79.1179,

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

66.9727, 79.1179, 47.8178

Protanopia

73.5298, 79.1587, 45.5861

Deuteranopia

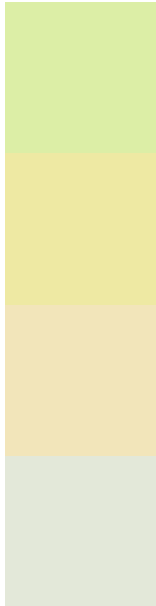
78.0887, 78.6485, 64.4910



Tritanopia

77.3330, 79.1296, 98.3864

Trichromacy



Original Color

66.9727, 79.1179, 47.8178

Protanomaly

71.0097, 79.0993, 46.1754

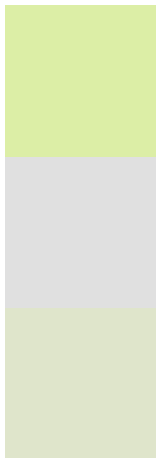
Deuteranomaly

73.5002, 78.4610, 57.7250

Tritanomaly

73.0596, 79.0539, 77.0539

Monochromacy



Original Color

66.9727, 79.1179, 47.8178

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.2302, 76.0384, 67.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9727, 79.1179, 47.8178 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(220, 238, 166)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 166)  
}
```

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(220, 238, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 166) }
```

Border

The CSS property to change the border of an element to XYZ 66.9727, 79.1179, 47.8178 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(220, 238, 166) }
```


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

```
.border{ border-color:rgb(220, 238, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 238, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 166);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9727, 79.1179, 47.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 166) }
```

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

```
.background{ background-color: rgb(220,  
238, 166) }
```

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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