

Converting Colors

XYZ(66.3388, 79.1218, 42.7891)

Have a look what the booklet for
XYZ(66.3388, 79.1218, 42.7891)
contains.

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Color

**XYZ(66.6017, 79.4717,
42.8396)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEF9B
RGB	221, 239, 155
RGB Percent	87%, 94%, 61%
CMY	0.1333, 0.0627, 0.3921
CMYK	0.08, 0.00, 0.35, 0.06
HSL	73°, 72%, 77%
HSV	73°, 35%, 94%
XYZ	66.6017, 79.4717, 42.8396
YIQ	224.0420, 16.2360, -29.9400

Conversions

Conversions Part 2

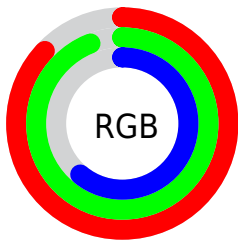
Format	Color
RYB	155, 239, 173
Decimal	14544795
CIELab	91.45, -19.03, 38.70
CIELCh	91, 43.127, 116.184
Yxy	79.4717, 0.3526, 0.4207
Android (android.graphics.Color)	4292734875 (0xFFDDEF9B)
YUV	224.0420, -34.0377, -2.6678
Hunter-Lab	89.1469, -22.6496, 33.9110

Details

The XYZ color **66.6017, 79.4717, 42.8396** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.5379, 38.5610, 86.7615**, and the grayscale version is **71.1108, 74.8141, 81.4726**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **34.8987, 42.8456, 19.2626** is the 20% darker color. If you saturate the color by 10%, you get **63.2545, 77.9581, 33.2225**, and if you desaturate by 10%, it is **70.3978, 81.1758, 54.5546**.

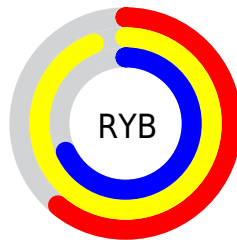
Distribution



Red (87%)

Green (94%)

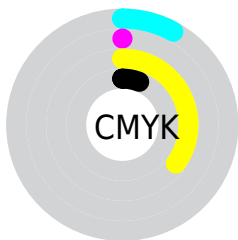
Blue (61%)



Red (61%)

Yellow (94%)

Blue (68%)

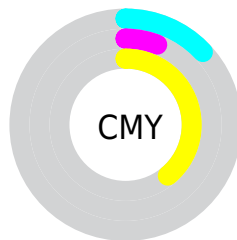


Cyan (8%)

Magenta (0%)

Yellow (35%)

Black (6%)



Cyan (13%)

Magenta (6%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6017, 79.4717, 42.8396 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 66.6017, 79.4717, 42.8396 by changing the saturation by 10% instead.

66.6017, 79.4717,
42.8396

66.6017, 79.4717,
42.8396

437.9805,
493.1506, 373.8535

49.0305, 59.2837,
29.4288

113.4025,
132.6227, 80.7525

34.8583, 42.8416,
19.1571

143.3627,
166.3545, 106.0917

23.7198, 29.7608,
11.6059

178.1834,
205.3697, 136.2441

15.2495, 19.6571,
6.3567

218.2299,
250.0528, 171.6283

9.0821, 12.1460,
2.9909

263.8675,
300.7880, 212.6628

4.8523, 6.8432,
1.0900

315.4615,

2.1947, 3.3642,

357.9597, 259.7662

0.0000

373.3774,
421.9525, 313.3569

■ 0.7400, 1.3247,
0.0000

■ 0.0000, 0.1602,
0.0000

■ 66.6017, 79.4717,
42.8396

■ 66.6017, 79.4717,
42.8396

■ 63.2545, 77.9581,
33.2225

■ 70.3978, 81.1758,
54.5546

■ 60.3263, 76.6148,
25.5741


■ 74.6588, 83.0687,
68.4762


■ 57.7926, 75.4347,
19.7590


■ 79.4073, 85.1622,
84.7119


■ 55.6236, 74.4059,
15.6224


■ 84.6623, 87.4640,
103.3605


 53.7845, 73.5143,
12.9842

 87.1403, 88.6606,
107.1282

 52.2331, 72.7430,
11.6229

 88.9682, 89.6029,
107.2137

 51.5523, 72.3994,
11.2574

 90.1582, 90.2164,
107.2694

Harmonies

Analogous

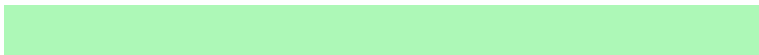
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9487, 79.4717, 39.1536



66.6017, 79.4717, 42.8396



59.3250, 79.4717, 57.0671

Triad

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



66.6017, 79.4717, 42.8396



64.3897, 79.4717, 147.0787



98.6073, 79.4717, 90.6163

Complementary

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



66.6017, 79.4717, 42.8396



44.5379, 38.5610, 86.7615

Split Complementary

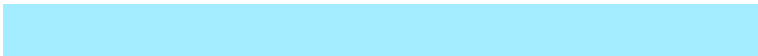
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4587, 79.4717, 124.7105



66.6017, 79.4717, 42.8396



74.1396, 79.4717, 161.9223

Square

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



66.6017, 79.4717, 42.8396



58.1374, 79.4717, 116.0306



85.2344, 79.4717, 152.8825



96.0984, 79.4717, 62.5103

Rectangle

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



66.6017, 79.4717, 42.8396



56.8414, 79.4717, 72.8863



85.2344, 79.4717, 152.8825



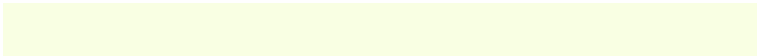
97.9355, 79.4717, 101.7808

Sweetspot

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



66.6037, 79.4752, 42.8413



88.6808, 97.2008, 86.7245



56.2302, 50.1485, 37.7274



18.8238, 20.7354, 18.0275



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

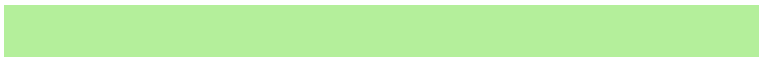
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6037, 79.4752, 42.8413



74.3904, 90.8181, 41.5844



55.6546, 73.8308, 42.3289



16.7720, 18.2781, 16.7938



28.6023, 40.0666, 6.2261



2.4610, 3.3752, 0.5218

Inverse Universe

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



44.5379, 38.5610, 86.7615



45.3875, 37.0102, 99.3592



54.9772, 43.9426, 87.2500



15.2139, 15.3920, 19.8907



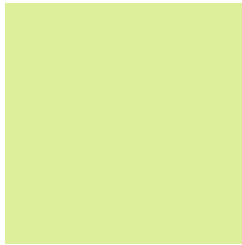
9.4600, 3.8822, 45.3786



0.8682, 0.3648, 3.7789

Previews

White Background



This preview shows how the XYZ color 66.6017, 79.4717, 42.8396 looks on a white background.

Color Contrast Check

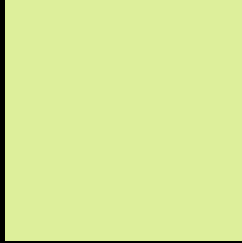
Large Text (above 18pt) WCAG AA × Fail

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 66.6017, 79.4717, 42.8396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

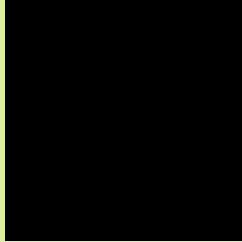
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.6017, 79.4717, 42.8396

Background



This preview shows how black text looks on a background with the XYZ color 66.6017, 79.4717, 42.8396.

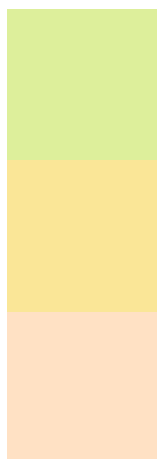


This preview shows how white text looks on a background with the XYZ color 66.6017, 79.4717,

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

66.6017, 79.4717, 42.8396

Protanopia

73.3071, 79.1520, 40.6923

Deuteranopia

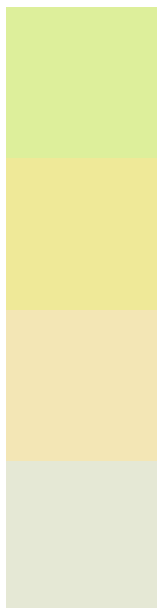
78.1290, 79.0959, 63.3738



Tritanopia

77.9822, 79.4643, 98.4168

Trichromacy



Original Color

66.6017, 79.4717, 42.8396

Protanomaly

70.4030, 78.8955, 41.2235

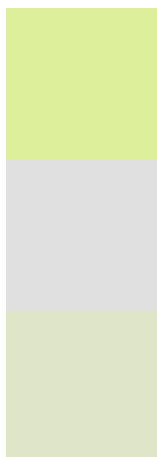
Deuteranomaly

73.5995, 78.9845, 55.0825

Tritanomaly

73.1800, 79.1753, 74.3762

Monochromacy



Original Color

66.6017, 79.4717, 42.8396

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.7595, 75.8501, 65.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6017, 79.4717, 42.8396 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(221, 239, 155)` looks like.

```
.text, #text, p{  
    color:rgb(221, 239, 155)  
}
```

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(221, 239, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 239, 155) }
```

Border

The CSS property to change the border of an element to XYZ 66.6017, 79.4717, 42.8396 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(221, 239, 155) }
```


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

```
.border{ border-color:rgb(221, 239, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 239, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 239, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 239, 155);  
box-shadow:4px 4px 4px 4px rgb(221, 239,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6017, 79.4717, 42.8396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 239, 155) }
```

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

```
.background{ background-color: rgb(221,  
239, 155) }
```

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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