

Converting Colors

XYZ(41.2770, 66.4734, 17.6168)

Have a look what the booklet for
XYZ(41.2770, 66.4734, 17.6168)
contains.

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Color

**XYZ(41.2742, 66.5102,
17.6836)**

Conversions

Conversions Part 1

Format	Color
Hex	83EE4D
RGB	131, 238, 77
RGB Percent	51%, 93%, 30%
CMY	0.4863, 0.0666, 0.6980
CMYK	0.45, 0.00, 0.68, 0.07
HSL	100°, 83%, 62%
HSV	100°, 68%, 93%
XYZ	41.2742, 66.5102, 17.6836
YIQ	187.6530, -12.0910, -72.7550

Conversions

Conversions Part 2

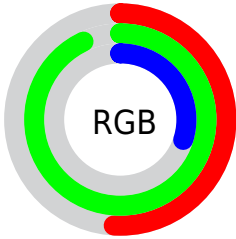
Format	Color
RYB	77, 238, 184
Decimal	8646221
CIELab	85.26, -57.82, 65.46
CIElCh	85, 87.337, 131.452
Yxy	66.5102, 0.3290, 0.5301
Android (android.graphics.Color)	4286836301 (0xFF83EE4D)
YUV	187.6530, -54.5519, -49.6847
Hunter-Lab	81.5538, -52.3806, 44.2316

Details

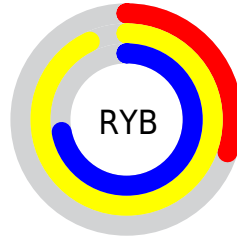
The XYZ color **41.2742, 66.5102, 17.6836** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **37.8572, 21.6735, 83.0807**, and the grayscale version is **47.9093, 50.4043, 54.8903**.

A 20% lighter version of the original color is **61.4795, 84.2898, 35.2196**, and **18.9836, 34.3151, 5.6517** is the 20% darker color. If you saturate the color by 10%, you get **38.3174, 65.0679, 13.9328**, and if you desaturate by 10%, it is **44.9155, 68.2739, 23.0731**.

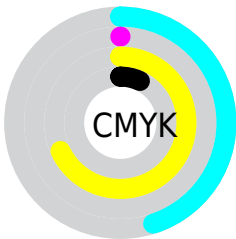
Distribution



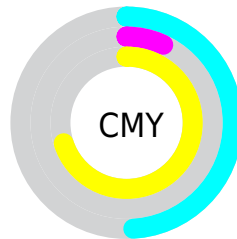
- Red (51%)
- Green (93%)
- Blue (30%)



- Red (30%)
- Yellow (93%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (68%)
- Black (7%)



- Cyan (49%)
- Magenta (7%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2742, 66.5102, 17.6836 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 41.2742, 66.5102, 17.6836 by changing the saturation by 10% instead.

41.2742, 66.5102,
17.6836

41.2742, 66.5102,
17.6836

342.5084,
448.1993, 251.2575

28.7220, 48.6867,
10.5560

76.3720, 114.2183,
40.3041

19.0139, 34.3710,
5.6587

99.6484, 144.8717,
56.6340

11.7844, 23.1788,
2.5733

127.2302,
180.5705, 76.8685

6.6682, 14.7256,
0.8786

159.4828,
221.6990, 101.4260

3.2999, 8.6270,
0.0000

196.7716,
268.6418, 130.7251

1.3143, 4.4987,
0.0000

239.4619,

0.1939, 1.9563,

321.7832, 165.1844

0.0000

287.9190,
381.5076, 205.2223

0.0000, 0.5819,
0.0000

0.0000, 0.0000,
0.0000

41.2742, 66.5102,
17.6836

41.2742, 66.5102,
17.6836

38.3174, 65.0679,
13.9328

44.9155, 68.2739,
23.0731

35.9881, 63.9157,
11.6290

49.2826, 70.3707,
30.2560


34.2222, 63.0280,
10.5229


54.4183, 72.8218,
39.3741


33.8690, 62.8495,
10.3461

60.3608, 75.6440,
50.5537

 67.1453, 78.8529,
63.9105

 74.8050, 82.4634,
79.5516

 83.3709, 86.4892,
97.5769

 89.8659, 89.6318,
107.1720

Harmonies

Analogous

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



55.9764, 66.5102, 9.5886



41.2742, 66.5102, 17.6836



33.6310, 66.5102, 43.0551

Triad

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



41.2742, 66.5102, 17.6836



51.8961, 66.5102, 232.0575



108.1825, 66.5102, 52.9113

Complementary

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



41.2742, 66.5102, 17.6836



37.8572, 21.6735, 83.0807

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.



106.4525, 66.5102, 112.7852



41.2742, 66.5102, 17.6836



71.0542, 66.5102, 239.7076

Square

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



41.2742, 66.5102, 17.6836



38.8247, 66.5102, 170.8269



91.8138, 66.5102, 188.2431



96.1396, 66.5102, 21.6661

Rectangle

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



41.2742, 66.5102, 17.6836



32.3611, 66.5102, 75.2074



91.8138, 66.5102, 188.2431



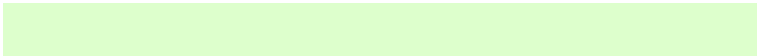
109.2495, 66.5102, 69.6990

Sweetspot

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



41.2758, 66.5130, 17.6851



76.5095, 91.2681, 70.7108



53.2586, 52.0286, 14.2577



15.8901, 19.3053, 14.1736



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.



41.2758, 66.5130, 17.6851



43.7362, 75.5692, 15.1264



35.9935, 63.6725, 22.7449



16.0654, 17.9139, 16.7607



19.0175, 35.1254, 5.7776



1.6840, 2.9746, 0.4854

Inverse Universe

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



37.8572, 21.6735, 83.0807



39.3094, 19.7761, 96.3531



50.0348, 28.3341, 66.3531



15.9094, 15.7505, 19.9232



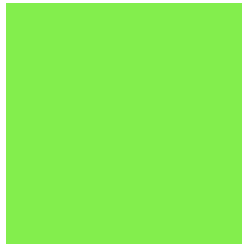
16.6395, 7.5834, 45.7146



1.4895, 0.6851, 3.8080

Previews

White Background



This preview shows how the XYZ color 41.2742, 66.5102, 17.6836 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 41.2742, 66.5102, 17.6836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

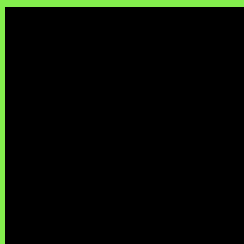
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2742, 66.5102, 17.6836

Background



This preview shows how black text looks on a background with the XYZ color 41.2742, 66.5102, 17.6836.

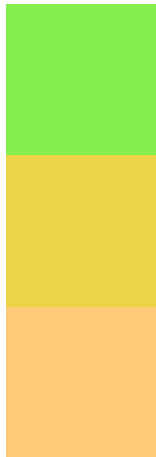


This preview shows how white text looks on a background with the XYZ color 41.2742, 66.5102,

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

41.2742, 66.5102, 17.6836

Protanopia

59.5740, 65.5337, 15.3037

Deuteranopia

66.0471, 65.3523, 27.2224



Tritanopia

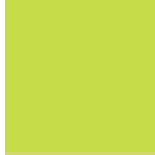
55.9500, 65.8029, 92.1904

Trichromacy



Original Color

41.2742, 66.5102, 17.6836



Protanomaly

50.3478, 64.1997, 16.0415



Deuteranomaly

53.6840, 63.8333, 22.8562



Tritanomaly

48.2966, 65.1189, 53.7398

Monochromacy



Original Color

41.2742, 66.5102, 17.6836



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.3530, 54.4962, 36.2509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2742, 66.5102, 17.6836 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(131, 238, 77)` looks like.

```
.text, #text, p{  
    color:rgb(131, 238, 77)  
}
```

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(131, 238, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 238, 77) }
```

Border

The CSS property to change the border of an element to XYZ 41.2742, 66.5102, 17.6836 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(131, 238, 77) }
```


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

```
.border{ border-color:rgb(131, 238, 77) }
```

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

Here you see how a box with a 4 pixel rgb(131, 238, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 238, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 238, 77);  
box-shadow:4px 4px 4px 4px rgb(131, 238,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2742, 66.5102, 17.6836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 238, 77) }
```

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

```
.background{ background-color: rgb(131,  
238, 77) }
```

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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