

Converting Colors

XYZ(42.2657, 66.3046, 33.5608)

Have a look what the booklet for
XYZ(42.2657, 66.3046, 33.5608)
contains.

XYZ(42.2651, 66.2396, 33.4796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.2651, 66.2396,
33.4796)**

Conversions

Conversions Part 1

Format	Color
Hex	77ED87
RGB	119, 237, 135
RGB Percent	47%, 93%, 53%
CMY	0.5333, 0.0706, 0.4706
CMYK	0.50, 0.00, 0.43, 0.07
HSL	128°, 77%, 70%
HSV	128°, 50%, 93%
XYZ	42.2651, 66.2396, 33.4796
YIQ	190.0900, -37.5860, -56.7380

Conversions

Conversions Part 2

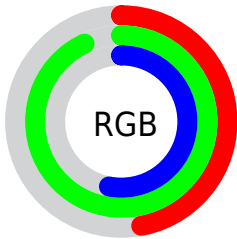
Format	Color
RYB	119, 223, 237
Decimal	7859591
CIELab	85.12, -54.22, 39.35
CIELCh	85, 66.994, 144.028
Yxy	66.2396, 0.2977, 0.4665
Android (android.graphics.Color)	4286049671 (0xFF77ED87)
YUV	190.0900, -27.1594, -62.3459
Hunter-Lab	81.3877, -49.7324, 32.5819

Details

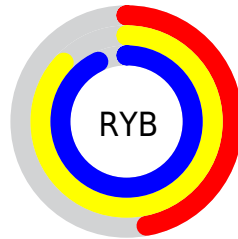
The XYZ color **42.2651, 66.2396, 33.4796** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.5750, 36.4198, 72.5618**, and the grayscale version is **49.1639, 51.7242, 56.3277**.

A 20% lighter version of the original color is **63.3054, 84.6591, 61.1484**, and **19.5699, 34.1369, 13.7413** is the 20% darker color. If you saturate the color by 10%, you get **38.1028, 64.2467, 26.4667**, and if you desaturate by 10%, it is **47.5192, 68.7671, 41.9951**.

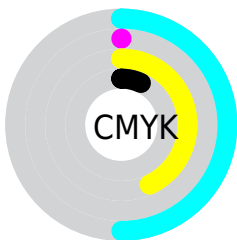
Distribution



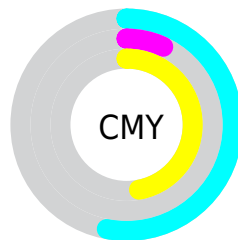
- Red (47%)
- Green (93%)
- Blue (53%)



- Red (47%)
- Yellow (87%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (43%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2651, 66.2396, 33.4796 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 42.2651, 66.2396, 33.4796 by changing the saturation by 10% instead.

■ 42.2651, 66.2396,
33.4796

■ 42.2651, 66.2396,
33.4796

346.5537,
447.2333, 332.5034

■ 29.5009, 48.4669,
22.2200

■ 77.8633, 113.8302,
66.2482

■ 19.6063, 34.1968,
13.8188

■ 101.4281,
144.4168, 88.5943

■ 12.2158, 23.0448,
7.8574

■ 129.3238,
180.0436, 115.4729

■ 6.9640, 14.6266,
3.9174

161.9158,
221.0949, 147.3026

■ 3.4858, 8.5578,
1.5801

199.5694,
267.9552, 184.5020

■ 1.4155, 4.4539,
0.2766

242.6501,

■ 0.2673, 1.9306,

321.0087, 227.4895

0.0000

291.5230,
380.6399, 276.6838

■ 0.0000, 0.5666,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2651, 66.2396,
33.4796

■ 42.2651, 66.2396,
33.4796

■ 38.1028, 64.2467,
26.4667

■ 47.5192, 68.7671,
41.9951

■ 34.9500, 62.7421,
20.8651


■ 53.9299, 71.8551,
52.0889


■ 32.7204, 61.6852,
16.5801


■ 61.5628, 75.5380,
63.8366


■ 31.3108, 61.0252,
13.5038

■ 70.4773, 79.8446,
77.3079

 30.5603, 60.6816,
11.5095

 80.7286, 84.8022,
92.5685

 30.5481, 60.6760,
11.4780

 89.5755, 89.0510,
107.0752

Harmonies

Analogous

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



51.8622, 66.2396, 19.7186



42.2651, 66.2396, 33.4796



38.2740, 66.2396, 63.8140

Triad

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



42.2651, 66.2396, 33.4796



59.9861, 66.2396, 190.4455



93.3712, 66.2396, 43.2901

Complementary

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



42.2651, 66.2396, 33.4796



54.5750, 36.4198, 72.5618

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.



96.4715, 66.2396, 81.1251



42.2651, 66.2396, 33.4796



75.5349, 66.2396, 177.8332

Square

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



42.2651, 66.2396, 33.4796



47.3992, 66.2396, 162.5068



89.4977, 66.2396, 132.8148



81.5976, 66.2396, 23.5919

Rectangle

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



42.2651, 66.2396, 33.4796



38.7845, 66.2396, 94.2123



89.4977, 66.2396, 132.8148



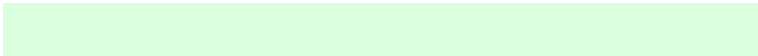
95.5333, 66.2396, 53.7893

Sweetspot

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



42.2668, 66.2424, 33.4811



77.4774, 91.5040, 82.6414



63.5166, 77.3176, 29.0292



16.1159, 19.3598, 16.9807



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.



42.2668, 66.2424, 33.4811



44.7989, 75.7685, 30.9198



47.6014, 68.3762, 61.5730



14.9515, 16.8954, 16.4274



16.7047, 33.1364, 6.4101



1.3381, 2.6126, 0.6423

Inverse Universe

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



54.5750, 36.4198, 72.5618



60.8790, 36.7178, 81.9108



48.0690, 33.8174, 38.3018



15.6218, 15.2766, 18.5598



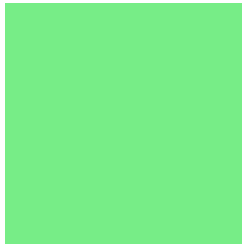
25.1109, 12.2470, 32.7148



1.9961, 0.9714, 2.6970

Previews

White Background



This preview shows how the XYZ color 42.2651, 66.2396, 33.4796 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 42.2651, 66.2396, 33.4796 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 42.2651, 66.2396, 33.4796

Background



This preview shows how black text looks on a background with the XYZ color 42.2651, 66.2396, 33.4796.

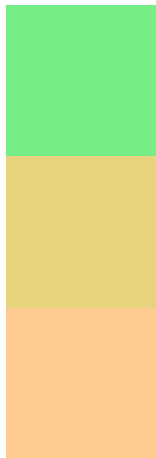


This preview shows how white text looks on a background with the XYZ color 42.2651, 66.2396,

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

42.2651, 66.2396, 33.4796

Protanopia

59.9509, 65.0581, 28.7998

Deuteranopia

66.5865, 65.1069, 35.0440



Tritanopia

54.6045, 66.2508, 94.7037

Trichromacy



Original Color

42.2651, 66.2396, 33.4796



Protanomaly

50.7909, 63.7185, 30.3908



Deuteranomaly

53.9359, 63.3317, 34.1925



Tritanomaly

48.9101, 65.5492, 67.2012

Monochromacy



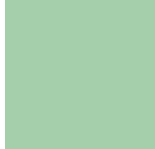
Original Color

42.2651, 66.2396, 33.4796



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.8784, 55.4204, 46.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2651, 66.2396, 33.4796 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(119, 237, 135)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 135)  
}
```

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(119, 237, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 135) }
```

Border

The CSS property to change the border of an element to XYZ 42.2651, 66.2396, 33.4796 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(119, 237, 135) }
```


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

```
.border{ border-color:rgb(119, 237, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 237, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 237, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 237, 135);  
box-shadow:4px 4px 4px 4px rgb(119, 237,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2651, 66.2396, 33.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 135) }
```

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

```
.background{ background-color: rgb(119,  
237, 135) }
```

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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