

Converting Colors

XYZ(33.4031, 61.8874, 26.2965)

Have a look what the booklet for
XYZ(33.4031, 61.8874, 26.2965)
contains.

XYZ(33.3787, 61.8062, 26.3902)	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(33.3787, 61.8062,
26.3902)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED73
RGB	0, 237, 115
RGB Percent	0%, 93%, 45%
CMY	1.0000, 0.0706, 0.5490
CMYK	1.00, 0.00, 0.51, 0.07
HSL	149°, 100%, 46%
HSV	149°, 100%, 93%
XYZ	33.3787, 61.8062, 26.3902
YIQ	152.2290, -102.0900, -88.1860

Conversions

Conversions Part 2

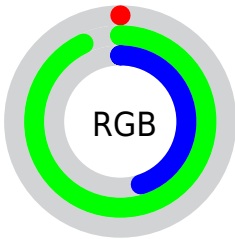
Format	Color
RYB	0, 160, 237
Decimal	60787
CIELab	82.81, -73.15, 45.67
CIELCh	83, 86.230, 148.023
Yxy	61.8062, 0.2746, 0.5084
Android (android.graphics.Color)	4278250867 (0xFF00ED73)
YUV	152.2290, -18.3539, -133.5048
Hunter-Lab	78.6169, -61.7931, 35.1293

Details

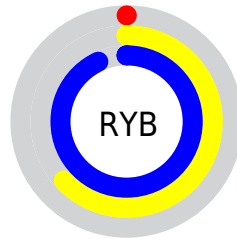
The XYZ color **33.3787, 61.8062, 26.3902** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark washed spring green. A complement of this color would be **38.4402, 19.4110, 20.1372**, and the grayscale version is **30.0549, 31.6201, 34.4343**.

A 20% lighter version of the original color is **49.4770, 77.7641, 49.9384**, and **17.0173, 32.5991, 10.0980** is the 20% darker color. If you saturate the color by 10%, you get **33.3797, 61.8085, 26.3897**, and if you desaturate by 10%, it is **34.4993, 62.2991, 30.3551**.

Distribution



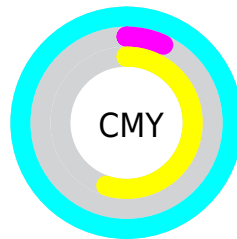
- Red (0%)
- Green (93%)
- Blue (45%)



- Red (0%)
- Yellow (63%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)



- Cyan (100%)
- Magenta (7%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3787, 61.8062, 26.3902 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 33.3787, 61.8062, 26.3902 by changing the saturation by 10% instead.

33.3787, 61.8062,
26.3902

33.3787, 61.8062,
26.3902

308.9876,
431.2238, 298.3585

22.5773, 44.8761,
16.8874

64.3171, 107.4454,
54.8956

14.4007, 31.3599,
9.9931

85.1848, 136.9233,
74.7352

8.4834, 20.8730,
5.2889

110.1386,
171.3526, 98.8575

4.4602, 13.0312,
2.3560

139.5440,
211.1177, 127.6811

1.9656, 7.4500,
0.7624

173.7662,
256.6029, 161.6244

0.6146, 3.7451,
0.0000

213.1706,

0.0000, 1.5320,

308.1928, 201.1061

0.0000

258.1227,
366.2716, 246.5446

■ 0.0000, 0.3111,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3787, 61.8062,
26.3902

■ 33.3787, 61.8062,
26.3902

■ 33.3797, 61.8085,
26.3897

■ 34.4993, 62.2991,
30.3551

■ 36.1666, 63.0609,
34.8472

■ 38.5275, 64.1687,
39.8918

■ 41.6687, 65.6670,
45.5091

■ 45.6638, 67.5933,
51.7179

■ 50.5771, 69.9803,
58.5362

■ 56.4666, 72.8578,
65.9809

■ 63.3853, 76.2527,
74.0684

■ 71.3823, 80.1900,
82.8141

Harmonies

Analogous

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



43.5251, 61.8062, 11.3923



33.3787, 61.8062, 26.3902



29.8141, 61.8062, 63.8328

Triad

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



33.3787, 61.8062, 26.3902



57.5227, 61.8062, 229.7945



96.2071, 61.8062, 29.7981

Complementary

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



33.3787, 61.8062, 26.3902



38.4402, 19.4110, 20.1372

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.



102.1065, 61.8062, 70.8832



33.3787, 61.8062, 26.3902



77.1540, 61.8062, 203.8109

Square

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



33.3787, 61.8062, 26.3902



41.8028, 61.8062, 196.5212



94.5072, 61.8062, 137.2137



79.7390, 61.8062, 12.5054

Rectangle

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



33.3787, 61.8062, 26.3902



30.9282, 61.8062, 104.1233



94.5072, 61.8062, 137.2137



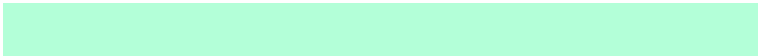
99.6266, 61.8062, 40.3724

Sweetspot

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



33.3802, 61.8087, 26.3916



66.5805, 85.9824, 77.7947



38.3765, 64.7419, 10.4741



13.5913, 18.0810, 15.8361



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.



33.3802, 61.8087, 26.3916



39.3810, 72.9684, 30.9877



45.0013, 66.4571, 87.5871



15.1729, 16.9840, 17.5931



18.2892, 33.7701, 14.7538



1.4846, 2.6711, 1.4136

Inverse Universe

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



38.4402, 19.4110, 20.1372



45.3551, 22.9061, 23.6000



34.9483, 18.0142, 1.7489



15.3892, 15.1835, 17.3348



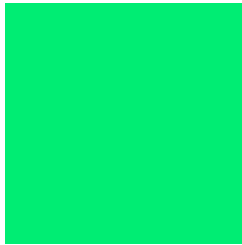
21.0526, 10.6237, 11.3440



1.7017, 0.8537, 1.1467

Previews

White Background



This preview shows how the XYZ color 33.3787, 61.8062, 26.3902 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 33.3787, 61.8062, 26.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

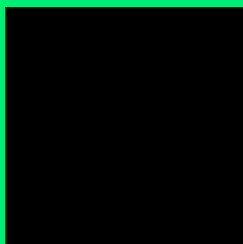
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3787, 61.8062, 26.3902

Background



This preview shows how black text looks on a background with the XYZ color 33.3787, 61.8062, 26.3902.

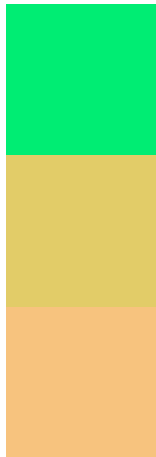


This preview shows how white text looks on a background with the XYZ color 33.3787, 61.8062,

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

33.3787, 61.8062, 26.3902

Protanopia

55.4556, 60.3540, 21.8234

Deuteranopia

61.6388, 60.3107, 28.1311



Tritanopia

46.5792, 61.3504, 92.6059

Trichromacy



Original Color

33.3787, 61.8062, 26.3902



Protanomaly

38.7642, 56.1237, 22.9772



Deuteranomaly

40.4641, 54.6664, 26.8313



Tritanomaly

39.3387, 60.3265, 61.2006

Monochromacy



Original Color

33.3787, 61.8062, 26.3902



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.5235, 38.2724, 30.4155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3787, 61.8062, 26.3902 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(0, 237, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 115)  
}
```

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(0, 237, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 115) }
```

Border

The CSS property to change the border of an element to XYZ 33.3787, 61.8062, 26.3902 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(0, 237, 115) }
```


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

```
.border{ border-color:rgb(0, 237, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3787, 61.8062, 26.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 115) }
```

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

```
.background{ background-color: rgb(0, 237,  
115) }
```

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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