

Converting Colors

XYZ(31.4387, 60.8190, 38.7587)

Have a look what the booklet for
XYZ(31.4387, 60.8190, 38.7587)
contains.

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Color

**XYZ(36.0796, 63.3511,
39.1806)**

Conversions

Conversions Part 1

Format	Color
Hex	00EE96
RGB	0, 238, 150
RGB Percent	0%, 93%, 59%
CMY	0.9999, 0.0667, 0.4118
CMYK	1.00, 0.00, 0.37, 0.07
HSL	158°, 100%, 47%
HSV	158°, 100%, 93%
XYZ	36.0796, 63.3511, 39.1806
YIQ	156.8060, -113.6000, -77.8240

Conversions

Conversions Part 2

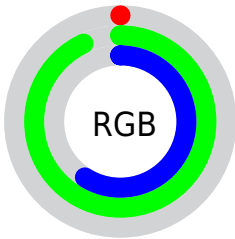
Format	Color
RYB	0, 146, 238
Decimal	61078
CIELab	83.63, -67.40, 29.52
CIELCh	84, 73.576, 156.349
Yxy	63.3511, 0.2603, 0.4570
Android (android.graphics.Color)	4278251158 (0xFF00EE96)
YUV	156.8060, -3.3554, -137.5189
Hunter-Lab	79.5934, -58.3746, 26.5293

Details

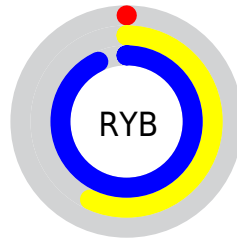
The XYZ color **36.0796, 63.3511, 39.1806** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **37.0241, 18.8834, 10.9320**, and the grayscale version is **32.0161, 33.6835, 36.6813**.

A 20% lighter version of the original color is **53.3350, 79.3073, 70.2544**, and **18.5259, 33.5244, 17.0497** is the 20% darker color. If you saturate the color by 10%, you get **36.0801, 63.3531, 39.1780**, and if you desaturate by 10%, it is **37.1892, 63.8398, 43.0739**.

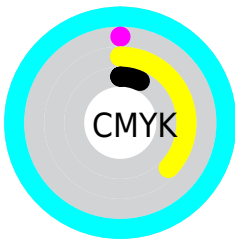
Distribution



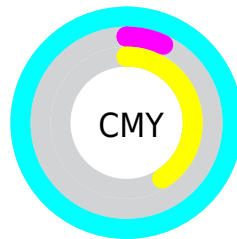
- Red (0%)
- Green (93%)
- Blue (59%)



- Red (0%)
- Yellow (57%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0796, 63.3511, 39.1806 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 36.0796, 63.3511, 39.1806 by changing the saturation by 10% instead.

 36.0796, 63.3511,
39.1806


 36.0796, 63.3511,
39.1806


320.7335,
436.8426, 358.1066


 24.6661, 46.1253,
26.5913


 68.4780, 109.6759,
75.1375


 15.9558, 32.3447,
17.0368


 90.1935, 139.5437,
99.3422


 9.5836, 21.6249,
10.0985


 116.0738,
174.3942, 128.2559

 5.1839, 13.5816,
5.3579

 146.4842,
214.6120, 162.2970

 2.3914, 7.8302,
2.3963

 181.7900,
260.5813, 201.8840

 0.8408, 3.9865,
0.7845

222.3565,

 0.0000, 1.6660,

312.6865, 247.4356

0.0000

268.5493,
371.3122, 299.3703

■ 0.0000, 0.4015,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0796, 63.3511,
39.1806

■ 36.0796, 63.3511,
39.1806

■ 36.0801, 63.3531,
39.1780

■ 37.1892, 63.8398,
43.0739

■ 38.8082, 64.5832,
47.2735

■ 41.0824, 65.6579,
51.7932

■ 44.0975, 67.1080,
56.6426

■ 47.9258, 68.9707,
61.8304

■ 52.6305, 71.2784,
67.3650

■ 58.2683, 74.0603,
73.2539

■ 64.8911, 77.3430,
79.5047

■ 72.5469, 81.1511,
86.1245

Harmonies

Analogous

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



43.6689, 63.3511, 19.3846



36.0796, 63.3511, 39.1806



34.3939, 63.3511, 79.2528

Triad

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



36.0796, 63.3511, 39.1806



63.7014, 63.3511, 199.8975



88.7391, 63.3511, 28.6512

Complementary

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



36.0796, 63.3511, 39.1806



37.0241, 18.8834, 10.9320

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.



96.5086, 63.3511, 59.6330



36.0796, 63.3511, 39.1806



80.4835, 63.3511, 167.8308

Square

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



36.0796, 63.3511, 39.1806



48.6313, 63.3511, 186.1954



93.2459, 63.3511, 110.9965



73.5021, 63.3511, 15.4758

Rectangle

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



36.0796, 63.3511, 39.1806



36.5192, 63.3511, 116.2734



93.2459, 63.3511, 110.9965



92.4237, 63.3511, 36.6425

Sweetspot

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



36.0812, 63.3536, 39.1821



68.0603, 86.5744, 85.5876



34.9150, 63.3883, 10.3957



13.9423, 18.2215, 17.6849



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.



36.0812, 63.3536, 39.1821



42.1670, 74.0828, 45.6585



38.5394, 52.3852, 88.9721



15.9850, 17.8240, 18.9440



20.1929, 35.3692, 22.1964



1.7277, 2.9615, 2.0984

Inverse Universe

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



37.0241, 18.8834, 10.9320



43.2737, 22.0735, 12.6393



35.6717, 18.9985, 1.7877



16.0145, 15.8555, 17.6324



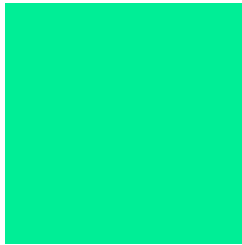
20.7116, 10.5571, 6.3978



1.7695, 0.8968, 0.7770

Previews

White Background



This preview shows how the XYZ color 36.0796, 63.3511, 39.1806 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 36.0796, 63.3511, 39.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

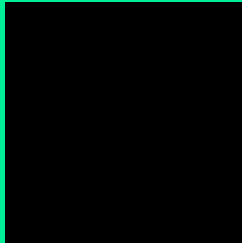
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0796, 63.3511, 39.1806

Background



This preview shows how black text looks on a background with the XYZ color 36.0796, 63.3511, 39.1806.

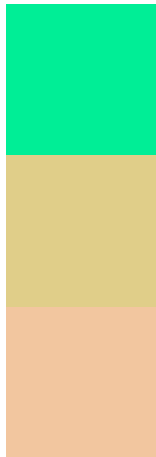


This preview shows how white text looks on a background with the XYZ color 36.0796, 63.3511,

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

36.0796, 63.3511, 39.1806

Protanopia

57.3271, 61.7960, 32.5733

Deuteranopia

63.0700, 61.7686, 41.3993



Tritanopia

47.6968, 63.4620, 96.1217

Trichromacy



Original Color

36.0796, 63.3511, 39.1806



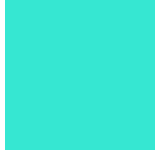
Protanomaly

41.2816, 57.9354, 34.5981



Deuteranomaly

43.1214, 56.8588, 40.1546



Tritanomaly

41.7301, 62.5892, 70.8543

Monochromacy



Original Color

36.0796, 63.3511, 39.1806



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.6472, 40.1602, 36.8137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0796, 63.3511, 39.1806 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, 238, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 150)  
}
```

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, 238, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 150) }
```

Border

The CSS property to change the border of an element to XYZ 36.0796, 63.3511, 39.1806 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, 238, 150) }
```


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

```
.border{ border-color:rgb(0, 238, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 238, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0796, 63.3511, 39.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 150) }
```

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

```
.background{ background-color: rgb(0, 238,  
150) }
```

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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