

Converting Colors

XYZ(40.9705, 73.6772, 36.0580)

Have a look what the booklet for
XYZ(40.9705, 73.6772, 36.0580)
contains.

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Color

**XYZ(40.9746, 73.6783,
36.1065)**

Conversions

Conversions Part 1

Format	Color
Hex	21FF8A
RGB	33, 255, 138
RGB Percent	13%, 100%, 54%
CMY	0.8706, 0.0000, 0.4588
CMYK	0.87, 0.00, 0.46, 0.00
HSL	148°, 100%, 56%
HSV	148°, 87%, 100%
XYZ	40.9746, 73.6783, 36.1065
YIQ	175.2840, -94.7550, -83.4510

Conversions

Conversions Part 2

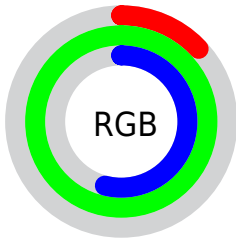
Format	Color
R_{YB}	33, 184, 255
Decimal	2228106
CIE Lab	88.77, -73.88, 42.21
CIE LCh	89, 85.088, 150.263
Yxy	73.6783, 0.2718, 0.4887
Android (android.graphics.Color)	4280418186 (0xFF21FF8A)
YUV	175.2840, -18.3810, -124.7831
Hunter-Lab	85.8361, -65.0046, 35.1452

Details

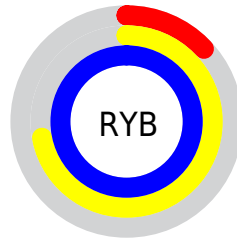
The XYZ color **40.9746, 73.6783, 36.1065** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.2893, 24.5501, 31.1015**, and the grayscale version is **41.0229, 43.1592, 47.0004**.

A 20% lighter version of the original color is **53.5540, 79.5812, 62.9902**, and **21.6460, 40.6044, 15.5007** is the 20% darker color. If you saturate the color by 10%, you get **39.5278, 73.0380, 31.2707**, and if you desaturate by 10%, it is **43.1564, 74.6835, 41.6077**.

Distribution



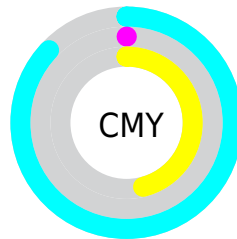
- Red (13%)
- Green (100%)
- Blue (54%)



- Red (13%)
- Yellow (72%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)



- Cyan (87%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9746, 73.6783, 36.1065 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 40.9746, 73.6783, 36.1065 by changing the saturation by 10% instead.


 40.9746, 73.6783,
36.1065


 40.9746, 73.6783,
36.1065


341.2788,
473.3623, 344.4773


 28.4868, 54.5308,
24.2261


 75.9203, 124.4397,
70.3673

 18.8353, 39.0262,
15.2877


 99.1089, 156.8223,
93.5848

 11.6546, 26.7801,
8.8727


 126.5952,
194.3854, 121.4184

 6.5795, 17.4081,
4.5625

 158.7445,
237.5135, 154.2867

 3.2445, 10.5259,
1.9388

195.9221,
286.5908, 192.6082

 1.2843, 5.7490,
0.5172

238.4935,

 0.1715, 2.6931,

342.0018, 236.8014

0.0000

286.8240,
404.1308, 287.2849

■ 0.0000, 0.9737,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9746, 73.6783,
36.1065

■ 40.9746, 73.6783,
36.1065

■ 39.5278, 73.0380,
31.2707

■ 43.1564, 74.6835,
41.6077

■ 39.1872, 72.8909,
29.9674

■ 46.1974, 76.1174,
47.7981

■ 50.1972, 78.0306,
54.7043

■ 55.2405, 80.4665,
62.3499

61.4020, 83.4632,
70.7575

68.7497, 87.0553,
79.9483

77.3456, 91.2743,
89.9428

87.2474, 96.1497,
100.7606

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



51.9144, 73.6783, 16.7415



40.9746, 73.6783, 36.1065



37.4353, 73.6783, 80.7440

Triad

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



40.9746, 73.6783, 36.1065



70.2107, 73.6783, 255.3696



110.0843, 73.6783, 35.5804

Complementary

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



40.9746, 73.6783, 36.1065



47.2893, 24.5501, 31.1015

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.



117.5389, 73.6783, 79.7045



40.9746, 73.6783, 36.1065



91.9321, 73.6783, 223.3789

Square

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



40.9746, 73.6783, 36.1065



52.1723, 73.6783, 224.4092



110.3298, 73.6783, 150.6166



91.5557, 73.6783, 16.5593

Rectangle

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



40.9746, 73.6783, 36.1065



39.0718, 73.6783, 126.2373



110.3298, 73.6783, 150.6166



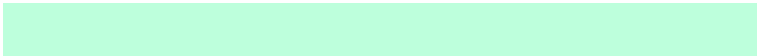
114.1136, 73.6783, 47.0185

Sweetspot

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



40.9751, 73.6785, 36.1077



69.5979, 87.4709, 80.9659



48.8720, 78.2477, 13.9668



14.3127, 18.4363, 16.6231



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.



40.9751, 73.6785, 36.1077



39.1872, 72.8909, 29.9674



53.2687, 78.5959, 100.8451



18.1292, 20.3112, 20.9836



20.5503, 38.1167, 16.0491



2.0556, 3.7332, 1.8507

Inverse Universe

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



47.2893, 24.5501, 31.1015



45.5705, 22.9922, 24.7339



42.1740, 22.5040, 4.1647



18.4094, 18.1471, 20.7730



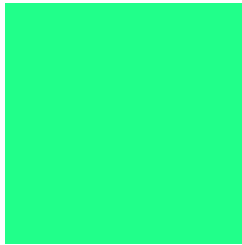
23.8877, 12.0444, 13.3248



2.3811, 1.1948, 1.5883

Previews

White Background



This preview shows how the XYZ color 40.9746, 73.6783, 36.1065 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 40.9746, 73.6783, 36.1065 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 40.9746, 73.6783, 36.1065

Background



This preview shows how black text looks on a background with the XYZ color 40.9746, 73.6783, 36.1065.

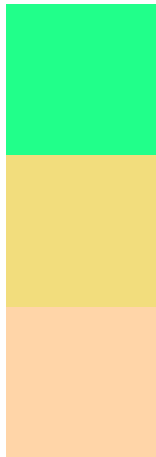


This preview shows how white text looks on a background with the XYZ color 40.9746, 73.6783,

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

40.9746, 73.6783, 36.1065

Protanopia

66.1761, 72.0708, 29.8252

Deuteranopia

72.1021, 71.6757, 47.0804



Tritanopia

57.5266, 72.9583, 105.6581

Trichromacy



Original Color

40.9746, 73.6783, 36.1065



Protanomaly

48.8941, 67.9965, 31.6667



Deuteranomaly

51.2848, 66.9198, 42.1121



Tritanomaly

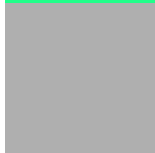
48.7486, 71.7820, 73.5733

Monochromacy



Original Color

40.9746, 73.6783, 36.1065



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.2828, 50.0053, 41.9221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9746, 73.6783, 36.1065 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(33, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 138)  
}
```

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(33, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.9746, 73.6783, 36.1065 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(33, 255, 138) }
```


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

```
.border{ border-color:rgb(33, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9746, 73.6783, 36.1065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 138) }
```

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

```
.background{ background-color: rgb(33, 255,  
138) }
```

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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