

Converting Colors

XYZ(40.5057, 72.9548, 36.4570)

Have a look what the booklet for
XYZ(40.5057, 72.9548, 36.4570)
contains.

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Color

**XYZ(40.4787, 72.9419,
36.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	18FE8B
RGB	24, 254, 139
RGB Percent	9%, 100%, 55%
CMY	0.9058, 0.0039, 0.4549
CMYK	0.91, 0.00, 0.45, 0.00
HSL	150°, 99%, 55%
HSV	150°, 91%, 100%
XYZ	40.4787, 72.9419, 36.3718
YIQ	172.1200, -100.1650, -84.5250

Conversions

Conversions Part 2

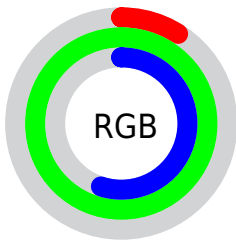
Format	Color
RYB	24, 177, 254
Decimal	1638027
CIELab	88.42, -73.90, 41.26
CIELCh	88, 84.642, 150.823
Yxy	72.9419, 0.2702, 0.4870
Android (android.graphics.Color)	4279828107 (0xFF18FE8B)
YUV	172.1200, -16.3282, -129.9012
Hunter-Lab	85.4060, -64.8594, 34.5344

Details

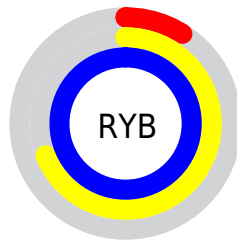
The XYZ color **40.4787, 72.9419, 36.3718** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **45.8625, 23.5898, 26.5666**, and the grayscale version is **39.3925, 41.4440, 45.1325**.

A 20% lighter version of the original color is **53.2433, 79.4081, 63.5600**, and **21.4602, 40.1680, 15.6390** is the 20% darker color. If you saturate the color by 10%, you get **39.2738, 72.4186, 31.9860**, and if you desaturate by 10%, it is **42.3730, 73.8069, 41.5916**.

Distribution



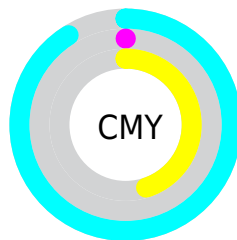
- Red (9%)
- Green (100%)
- Blue (55%)



- Red (9%)
- Yellow (69%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4787, 72.9419, 36.3718 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 40.4787, 72.9419, 36.3718 by changing the saturation by 10% instead.


 40.4787, 72.9419,
36.3718


 40.4787, 72.9419,
36.3718


339.2370,
470.8134, 345.6691


 28.0978, 53.9285,
24.4295


 75.1716, 123.3947,
70.7810


 18.5403, 38.5445,
15.4374


 98.2144, 155.6029,
94.0851


 11.4406, 26.4055,
8.9769


 125.5419,
192.9781, 122.0134

 6.4335, 17.1273,
4.6295

 157.5194,
235.9047, 154.9847

 3.1536, 10.3253,
1.9767

 194.5123,
284.7672, 193.4173

 1.2355, 5.6152,
0.5409

236.8860,

 0.1341, 2.6125,

339.9499, 237.7299

0.0000

285.0058,
401.8371, 288.3410

■ 0.0000, 0.9330,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4787, 72.9419,
36.3718

■ 40.4787, 72.9419,
36.3718


■ 39.2738, 72.4186,
31.9860


■ 42.3730, 73.8069,
41.5916

■ 45.0675, 75.0696,
47.4283


■ 48.6685, 76.7863,
53.9061


■ 53.2633, 79.0018,
61.0456

 58.9288, 81.7552,
68.8665

 65.7336, 85.0816,
77.3875

 73.7407, 89.0132,
86.6265

 83.0080, 93.5796,
96.6005

 93.5899, 98.8083,
107.3262

Harmonies

Analogous

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



51.1567, 72.9419, 16.8363



40.4787, 72.9419, 36.3718



37.1126, 72.9419, 81.0417

Triad

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



40.4787, 72.9419, 36.3718



69.8926, 72.9419, 252.3337



108.6346, 72.9419, 34.7405

Complementary

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



40.4787, 72.9419, 36.3718



45.8625, 23.5898, 26.5666

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.



116.2539, 72.9419, 77.8227



40.4787, 72.9419, 36.3718



91.3639, 72.9419, 219.6827

Square

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



40.4787, 72.9419, 36.3718



51.9557, 72.9419, 222.8694



109.3945, 72.9419, 147.5038



90.1988, 72.9419, 16.2706

Rectangle

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



40.4787, 72.9419, 36.3718



38.8198, 72.9419, 126.2686



109.3945, 72.9419, 147.5038



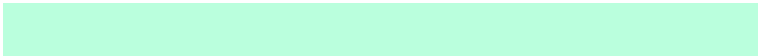
112.6906, 72.9419, 45.8847

Sweetspot

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



40.4805, 72.9448, 36.3735



69.0406, 87.1757, 81.2970



46.9083, 76.7778, 13.2120



14.2157, 18.3837, 16.7365



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.



40.4805, 72.9448, 36.3735



39.6231, 73.0653, 32.2629



53.1023, 77.9935, 102.8387



18.1504, 20.3197, 21.0948



20.7793, 38.2083, 17.2549



2.0783, 3.7423, 1.9703

Inverse Universe

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



45.8625, 23.5898, 26.5666



45.1038, 22.8055, 22.2763



41.4092, 21.8084, 3.1158



18.3882, 18.1386, 20.6614



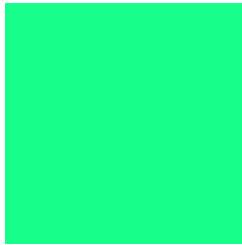
23.6430, 11.9465, 12.0367



2.3572, 1.1852, 1.4622

Previews

White Background



This preview shows how the XYZ color 40.4787, 72.9419, 36.3718 looks on a white background.

Color Contrast Check

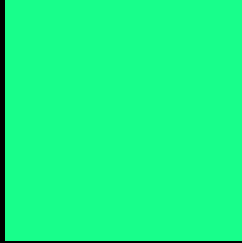
Large Text (above 18pt) WCAG AA × Fail

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 40.4787, 72.9419, 36.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

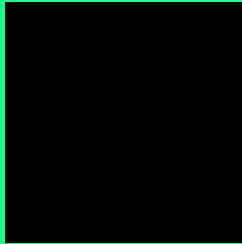
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4787, 72.9419, 36.3718

Background



This preview shows how black text looks on a background with the XYZ color 40.4787, 72.9419, 36.3718.

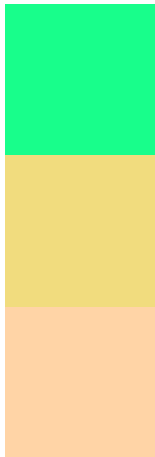


This preview shows how white text looks on a background with the XYZ color 40.4787, 72.9419,

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

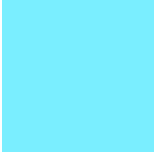
40.4787, 72.9419, 36.3718

Protanopia

65.6347, 71.3935, 30.0597

Deuteranopia

71.6664, 71.1001, 46.0229



Tritanopia

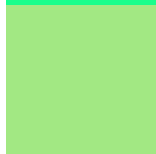
56.6506, 72.5066, 105.6171

Trichromacy



Original Color

40.4787, 72.9419, 36.3718



Protanomaly

47.8536, 67.0333, 31.8893



Deuteranomaly

50.2644, 65.9964, 41.5419



Tritanomaly

48.1987, 71.4839, 74.2082

Monochromacy



Original Color

40.4787, 72.9419, 36.3718



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.9369, 48.6307, 40.8030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4787, 72.9419, 36.3718 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(24, 254, 139)` looks like.

```
.text, #text, p{  
    color:rgb(24, 254, 139)  
}
```

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(24, 254, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 254, 139) }
```

Border

The CSS property to change the border of an element to XYZ 40.4787, 72.9419, 36.3718 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(24, 254, 139) }
```


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

```
.border{ border-color:rgb(24, 254, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 254, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 254, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 254, 139);  
box-shadow:4px 4px 4px 4px rgb(24, 254,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4787, 72.9419, 36.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 254, 139) }
```

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

```
.background{ background-color: rgb(24, 254,  
139) }
```

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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