Converting Colors

XYZ(41.5270, 73.9846, 35.1589)

Have a look what the booklet for XYZ(41.5270, 73.9846, 35.1589) contains.

Color

XYZ(41.4984, 73.9731, 35.0127)

Conversions

Conversions Part 1

Format	Color
Hex	33FF87
RGB	51, 255, 135
RGB Percent	20%, 100%, 53%
CMY	0.8000, 0.0000, 0.4706
CMYK	0.80, 0.00, 0.47, 0.00
HSL	145°, 100%, 60%
HSV	145°, 80%, 100%
XYZ	41.4984, 73.9731, 35.0127
YIQ	180.3240, -83.0640, -80.5680

Conversions

Conversions Part 2

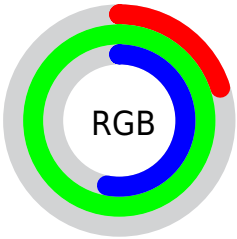
Format	Color
RYB	51, 196, 255
Decimal	3407751
CIELab	88.91, -72.88, 43.86
CIELCh	89, 85.060, 148.961
Yxy	73.9731, 0.2758, 0.4916
Android (android.graphics.Color)	4281597831 (0xFF33FF87)
YUV	180.3240, -22.3447, -113.4171
Hunter-Lab	86.0076, -64.3876, 36.0691

Details

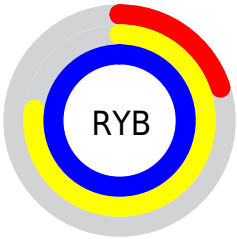
The XYZ color 41.4984, 73.9731, 35.0127 is a dark color, and the websafe version is hex 00FF99. The color can be described as middle washed spring green. A complement of this color would be 49.7747, 26.5683, 41.0331, and the grayscale version is 43.7053, 45.9814, 50.0738.

A 20% lighter version of the original color is 54.2602, 79.9835, 61.2938, and 21.5276, 40.5570, 14.8773 is the 20% darker color. If you saturate the color by 10%, you get 39.5638, 73.0893, 29.7928, and if you desaturate by 10%, it is 44.2859, 75.2793, 41.0517.

Distribution

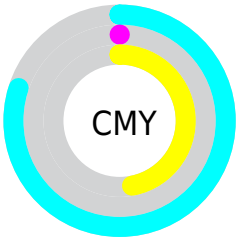


- Red (20%)
- Green (100%)
- Blue (53%)



- Red (20%)
- Yellow (77%)
- Blue (100%)

- Cyan (80%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4984, 73.9731, 35.0127 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 41.4984, 73.9731, 35.0127 by changing the saturation by 10% instead.

41.4984, 73.9731, 35.0127

41.4984, 73.9731, 35.0127

343.4265, 474.3805, 339.5303

28.8981, 54.7720, 23.3890

76.7098, 124.8577, 68.6572

19.1477, 39.2192, 14.6730

100.0517, 157.3100, 91.5152

11.8817, 26.9303, 8.4462

127.7048, 194.9481, 118.9550

6.7348, 17.5209, 4.2899

160.0345, 238.1565, 151.3951

3.3416, 10.6066, 1.7857

197.4062, 287.3196, 189.2542

1.3369, 5.8029, 0.4185

240.1852,

0.2106, 2.7256,

342.8216, 232.9507

288.7368, 405.0472, 282.9033

0.0000

0.0000, 0.9902, 0.0000

0.0000, 0.0000, 0.0000

41.4984, 73.9731, 35.0127

41.4984, 73.9731, 35.0127

39.5638, 73.0893, 29.7928

44.2859, 75.2793, 41.0517

38.3100, 72.5400, 25.3480

48.0317, 77.0617, 47.9416

38.3099, 72.5399, 25.3474

52.8261, 79.3662, 55.7165

58.7482, 82.2329, 64.4076

65.8691, 85.6979, 74.0441

74.2538, 89.7943, 84.6544

83.9626, 94.5524, 96.2650

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.

52.7939, 73.9731, 16.4201

41.4984, 73.9731, 35.0127

37.6324, 73.9731, 78.5019

Triad

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

41.4984, 73.9731, 35.0127

69.5924, 73.9731, 255.9466

111.0509, 73.9731, 37.1001

Complementary

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

41.4984, 73.9731, 35.0127

49.7747, 26.5683, 41.0331

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.

117.9078, 73.9731, 82.6215

41.4984, 73.9731, 35.0127

91.3244, 73.9731, 226.4821

Square

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

41.4984, 73.9731, 35.0127

51.7714, 73.9731, 222.4034

110.0783, 73.9731, 154.4886

92.8154, 73.9731, 17.1440

Rectangle

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

41.4984, 73.9731, 35.0127

39.0652, 73.9731, 123.3952

110.0783, 73.9731, 154.4886

114.9040, 73.9731, 48.9766

Sweetspot

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

41.4988, 73.9733, 35.0139

70.7431, 88.0774, 80.2901

53.6801, 80.6891, 15.8777

14.5104, 18.5437, 16.3822

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.

41.4988, 73.9733, 35.0139

38.7570, 72.7335, 27.0356

52.0631, 78.1990, 90.6448

18.0817, 20.2922, 20.7331

20.0876, 37.9316, 13.6125

2.0086, 3.7144, 1.6031

Inverse Universe

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

49.7747, 26.5683, 41.0331

47.2000, 23.8211, 32.7689

43.5743, 24.0881, 8.3822

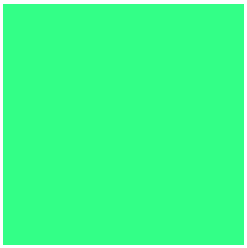
18.4577, 18.1664, 21.0273

24.5013, 12.2898, 16.5561

2.4400, 1.2184, 1.8982

Previews

White Background

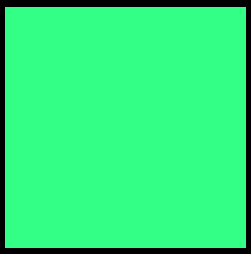


This preview shows how the XYZ color 41.4984, 73.9731, 35.0127 looks on a white background.

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 41.4984, 73.9731, 35.0127 looks on a black background.

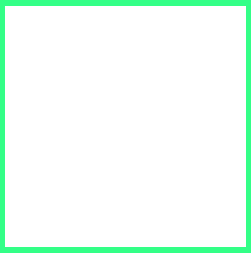
Color Contrast Check

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 41.4984, 73.9731, 35.0127 Background

This preview shows how black text looks on a background with the XYZ color 41.4984, 73.9731, 35.0127.



This preview shows how white text looks on a background with the XYZ color 41.4984, 73.9731,

35.0127.

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

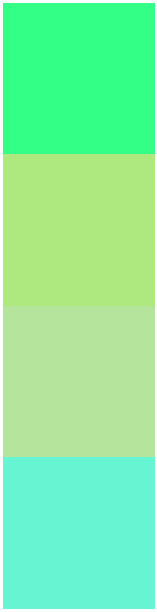
Original Color
41.4984, 73.9731, 35.0127

Protanopia
66.3938, 72.1976, 29.1751

Deuteranopia
72.4480, 72.2177, 47.6571

Tritanopia
58.1403, 73.2746, 105.6868

Trichromacy



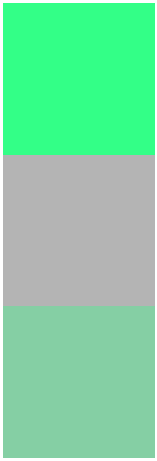
Original Color
41.4984, 73.9731, 35.0127

Protanomaly
50.2033, 68.6944, 30.6920

Deuteranomaly
53.1612, 68.2967, 42.2790

Tritanomaly
49.7021, 72.2881, 72.9614

Monochromacy



Original Color
41.4984, 73.9731, 35.0127

Achromatopsia
43.3819, 45.6411, 49.7032

Achromatomaly
38.6865, 52.2925, 43.1764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4984, 73.9731, 35.0127 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(51, 255, 135) looks like.

```
.text, #text, p{
    color:rgb(51, 255, 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(51, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 135) }
```

Border

The CSS property to change the border of an element to XYZ 41.4984, 73.9731, 35.0127 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(51, 255, 135) }
```

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

```
.border{ border-color:rgb(51, 255, 135) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 255, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 255, 135); box-shadow:4px 4px 4px 4px rgb(51, 255, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4984, 73.9731, 35.0127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(51, 255, 135) }
```

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

```
.background{ background-color:rgb(51, 255,
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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