

Converting Colors

XYZ(40.8574, 73.7167, 31.6373)

Have a look what the booklet for
XYZ(40.8574, 73.7167, 31.6373)
contains.

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Color

**XYZ(40.8269, 73.7045,
31.4766)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF7D
RGB	51, 255, 125
RGB Percent	20%, 100%, 49%
CMY	0.8000, 0.0000, 0.5098
CMYK	0.80, 0.00, 0.51, 0.00
HSL	142°, 100%, 60%
HSV	142°, 80%, 100%
XYZ	40.8269, 73.7045, 31.4766
YIQ	179.1840, -79.8540, -83.6780

Conversions

Conversions Part 2

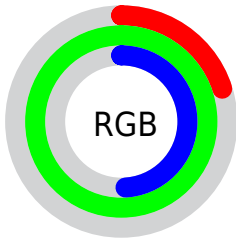
Format	Color
RYB	51, 201, 255
Decimal	3407741
CIELab	88.78, -74.39, 48.42
CIELCh	89, 88.759, 146.942
Yxy	73.7045, 0.2796, 0.5048
Android (android.graphics.Color)	4281597821 (0xFF33FF7D)
YUV	179.1840, -26.7127, -112.4174
Hunter-Lab	85.8513, -65.3535, 38.3578

Details

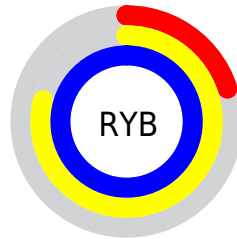
The XYZ color **40.8269, 73.7045, 31.4766** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **50.7644, 26.9641, 46.2449**, and the grayscale version is **43.1148, 45.3601, 49.3971**.

A 20% lighter version of the original color is **53.2041, 79.5611, 55.7327**, and **21.1360, 40.4004, 12.8150** is the 20% darker color. If you saturate the color by 10%, you get **38.9205, 72.8320, 26.4052**, and if you desaturate by 10%, it is **43.6072, 75.0078, 37.4779**.

Distribution



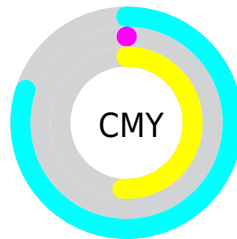
- Red (20%)
- Green (100%)
- Blue (49%)



- Red (20%)
- Yellow (79%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8269, 73.7045, 31.4766 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 40.8269, 73.7045, 31.4766 by changing the saturation by 10% instead.


 40.8269, 73.7045,
31.4766


 40.8269, 73.7045,
31.4766


340.6716,
473.4529, 323.1470


 28.3709, 54.5522,
20.7005


 75.6974, 124.4768,
63.0780


 18.7473, 39.0433,
12.7162


 98.8427, 156.8657,
84.7404

 11.5908, 26.7934,
7.1050


 126.2817,
194.4355, 110.8687

 6.5359, 17.4181,
3.4484

 158.3800,
237.5706, 141.8814

 3.2173, 10.5331,
1.3279

195.5027,
286.6556, 178.1970

 1.2697, 5.7538,
0.0845

238.0153,

 0.1604, 2.6960,

342.0747, 220.2341

0.0000

286.2832,
404.2123, 268.4113

■ 0.0000, 0.9751,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8269, 73.7045,
31.4766

■ 40.8269, 73.7045,
31.4766

■ 38.9205, 72.8320,
26.4052

■ 43.6072, 75.0078,
37.4779

■ 37.7139, 72.3016,
22.2090

■ 47.3687, 76.7965,
44.4506

■ 37.7138, 72.3015,
22.2085

■ 52.2034, 79.1171,
52.4380

■ 58.1920, 82.0104,
61.4793

■ 65.4071, 85.5131,
71.6119

■ 73.9150, 89.6587,
82.8709

■ 83.7773, 94.4783,
95.2901

■ 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.



52.9575, 73.7045, 14.2465



40.8269, 73.7045, 31.4766



36.3755, 73.7045, 74.1057

Triad

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



40.8269, 73.7045, 31.4766



67.8737, 73.7045, 265.7917



113.6996, 73.7045, 37.7033

Complementary

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



40.8269, 73.7045, 31.4766



50.7644, 26.9641, 46.2449

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.



119.9194, 73.7045, 86.7284



40.8269, 73.7045, 31.4766



90.4828, 73.7045, 238.6234

Square

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



40.8269, 73.7045, 31.4766



49.8534, 73.7045, 225.8122



110.6839, 73.7045, 163.6106



95.0847, 73.7045, 16.3340

Rectangle

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



40.8269, 73.7045, 31.4766



37.5070, 73.7045, 119.8905



110.6839, 73.7045, 163.6106



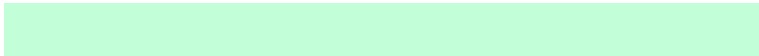
117.4556, 73.7045, 50.4825

Sweetspot

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



40.8273, 73.7046, 31.4778



70.3516, 87.9208, 78.2285



56.0293, 81.9002, 15.9876



14.4173, 18.5065, 15.8924



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.



40.8273, 73.7046, 31.4778



38.1399, 72.4867, 23.7860



50.6343, 77.6275, 83.1210



18.0439, 20.2771, 20.5340



19.7713, 37.8051, 11.9467



1.9752, 3.7010, 1.4275

Inverse Universe

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



50.7644, 26.9641, 46.2449



48.2519, 24.2419, 38.3078



43.9319, 24.2311, 10.2652



18.4966, 18.1820, 21.2325



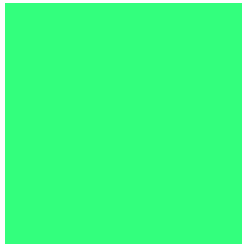
25.0538, 12.5108, 19.4657



2.4918, 1.2391, 2.1715

Previews

White Background



This preview shows how the XYZ color 40.8269, 73.7045, 31.4766 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 40.8269, 73.7045, 31.4766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

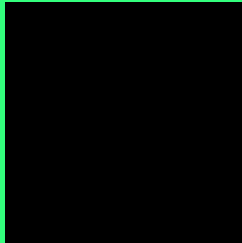
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8269, 73.7045, 31.4766

Background



This preview shows how black text looks on a background with the XYZ color 40.8269, 73.7045, 31.4766.

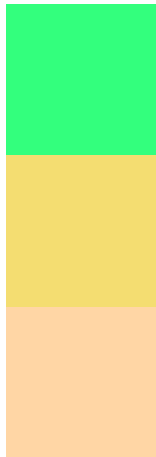


This preview shows how white text looks on a background with the XYZ color 40.8269, 73.7045,

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

40.8269, 73.7045, 31.4766

Protanopia

66.1453, 72.1383, 26.0606

Deuteranopia

72.0781, 72.0697, 45.7092



Tritanopia

57.8305, 73.1149, 105.6723

Trichromacy



Original Color

40.8269, 73.7045, 31.4766



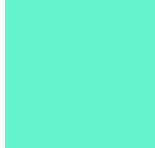
Protanomaly

49.8054, 68.5609, 27.4382



Deuteranomaly

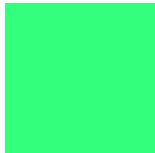
52.5804, 68.0644, 39.2206



Tritanomaly

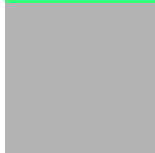
49.1027, 72.0221, 70.9882

Monochromacy



Original Color

40.8269, 73.7045, 31.4766



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.0866, 52.0344, 40.8372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8269, 73.7045, 31.4766 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 40.8269, 73.7045, 31.4766 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, 125) }
```


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

```
.border{ border-color:rgb(51, 255, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8269, 73.7045, 31.4766 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, 125) }
```

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

```
.background{ background-color: rgb(51, 255,  
125) }
```

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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