

Converting Colors

XYZ(40.0105, 73.3125, 30.1311)

Have a look what the booklet for
XYZ(40.0105, 73.3125, 30.1311)
contains.

XYZ(40.0105, 73.3125, 30.1311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.0105, 73.3125,
30.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	26FF79
RGB	38, 255, 121
RGB Percent	15%, 100%, 47%
CMY	0.8510, 0.0000, 0.5255
CMYK	0.85, 0.00, 0.53, 0.00
HSL	143°, 100%, 57%
HSV	143°, 85%, 100%
XYZ	40.0105, 73.3125, 30.1311
YIQ	174.8410, -86.3180, -87.6780

Conversions

Conversions Part 2

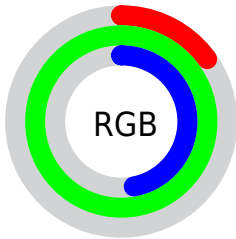
Format	Color
R_{YB}	38, 195, 255
Decimal	2555769
CIE _{Lab}	88.60, -76.12, 50.01
CIE _{LCh}	89, 91.077, 146.697
Yxy	73.3125, 0.2789, 0.5111
Android (android.graphics.Color)	4280745849 (0xFF26FF79)
YUV	174.8410, -26.5436, -120.0096
Hunter-Lab	85.6227, -66.4288, 39.0714

Details

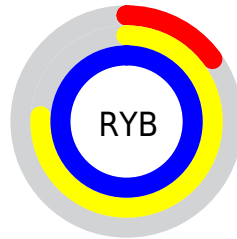
The XYZ color **40.0105, 73.3125, 30.1311** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **49.3798, 25.6252, 41.3740**, and the grayscale version is **40.8308, 42.9572, 46.7804**.

A 20% lighter version of the original color is **52.0539, 79.0146, 53.5821**, and **21.0096, 40.3499, 12.1498** is the 20% darker color. If you saturate the color by 10%, you get **38.4818, 72.6271, 25.4242**, and if you desaturate by 10%, it is **42.3398, 74.3924, 35.7007**.

Distribution



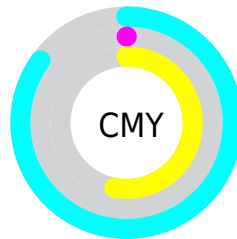
- Red (15%)
- Green (100%)
- Blue (47%)



- Red (15%)
- Yellow (76%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0105, 73.3125, 30.1311 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 40.0105, 73.3125, 30.1311 by changing the saturation by 10% instead.


 40.0105, 73.3125,
30.1311


 40.0105, 73.3125,
30.1311


337.3015,
472.0972, 316.7414

 27.7310, 54.2315,
19.6852


 74.4637, 123.9207,
60.9329


 18.2624, 38.7868,
11.9846


 97.3682, 156.2168,
82.1259

 11.2394, 26.5939,
6.6108


 124.5449,
193.6867, 107.7384

 6.2965, 17.2685,
3.1452

 156.3594,
236.7148, 138.1888

 3.0686, 10.4261,
1.1692

193.1770,
285.6855, 173.8958

 1.1901, 5.6824,
0.0000

235.3629,

 0.0986, 2.6529,

340.9832, 215.2779

0.0000

283.2826,
402.9923, 262.7535

■ 0.0000, 0.9533,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0105, 73.3125,
30.1311

■ 40.0105, 73.3125,
30.1311

■ 38.4818, 72.6271,
25.4242


■ 42.3398, 74.3924,
35.7007


■ 37.9427, 72.3931,
23.4140


■ 45.5886, 75.9274,
42.1722


■ 49.8559, 77.9676,
49.5862

■ 55.2267, 80.5561,
57.9798

 61.7768, 83.7314,
67.3878

 69.5750, 87.5282,
77.8432

 78.6845, 91.9784,
89.3775

 89.1644, 97.1120,
102.0209

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.



52.3787, 73.3125, 13.1945



40.0105, 73.3125, 30.1311



35.4529, 73.3125, 73.0569

Triad

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



40.0105, 73.3125, 30.1311



67.2762, 73.3125, 271.6748



114.6278, 73.3125, 36.8853

Complementary

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



40.0105, 73.3125, 30.1311



49.3798, 25.6252, 41.3740

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.



120.9150, 73.3125, 86.9984



40.0105, 73.3125, 30.1311



90.4277, 73.3125, 243.9580

Square

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



40.0105, 73.3125, 30.1311



48.9711, 73.3125, 229.5743



111.2702, 73.3125, 166.3471



95.5353, 73.3125, 15.4067

Rectangle

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



40.0105, 73.3125, 30.1311



36.5541, 73.3125, 119.8580



111.2702, 73.3125, 166.3471



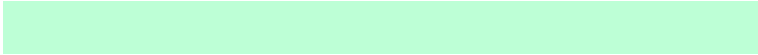
118.4621, 73.3125, 49.8753

Sweetspot

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



40.0109, 73.3127, 30.1323



68.8171, 87.1586, 76.8542



53.8870, 80.8244, 14.5947



14.1291, 18.3629, 15.6561



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.



40.0109, 73.3127, 30.1323



37.9427, 72.3931, 23.4140



50.2962, 77.4268, 84.2940



18.0591, 20.2832, 20.6140



19.8930, 37.8538, 12.5877



1.9882, 3.7062, 1.4958

Inverse Universe

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



49.3798, 25.6252, 41.3740



47.3656, 23.7102, 34.1868



42.9445, 23.0510, 7.4863



18.4809, 18.1757, 21.1497



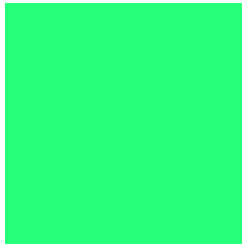
24.8247, 12.4192, 18.2590



2.4704, 1.2305, 2.0587

Previews

White Background



This preview shows how the XYZ color 40.0105, 73.3125, 30.1311 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 40.0105, 73.3125, 30.1311 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

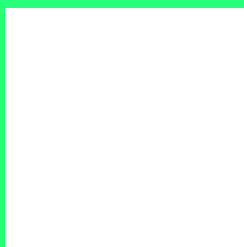
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0105, 73.3125, 30.1311

Background



This preview shows how black text looks on a background with the XYZ color 40.0105, 73.3125, 30.1311.



This preview shows how white text looks on a background with the XYZ color 40.0105, 73.3125,

Color Blindness Simulation

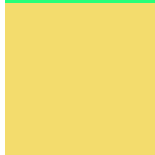
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.0105, 73.3125, 30.1311



Protanopia

65.3157, 71.3452, 24.7965



Deuteranopia

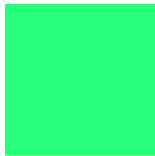
71.6451, 71.4928, 44.6737



Tritanopia

57.2287, 72.8047, 105.6442

Trichromacy



Original Color

40.0105, 73.3125, 30.1311



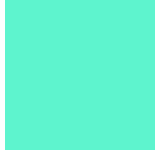
Protanomaly

48.2680, 67.7949, 26.1645



Deuteranomaly

50.9932, 66.8550, 38.2337



Tritanomaly

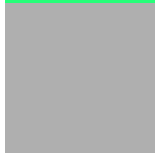
48.1074, 71.5373, 69.6651

Monochromacy



Original Color

40.0105, 73.3125, 30.1311



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.9667, 49.9123, 38.7487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0105, 73.3125, 30.1311 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(38, 255, 121)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 121)  
}
```

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(38, 255, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 121) }
```

Border

The CSS property to change the border of an element to XYZ 40.0105, 73.3125, 30.1311 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(38, 255, 121) }
```


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

```
.border{ border-color:rgb(38, 255, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0105, 73.3125, 30.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 121) }
```

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

```
.background{ background-color: rgb(38, 255,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor