

Converting Colors

XYZ(41.0975, 73.6548, 40.0232)

Have a look what the booklet for
XYZ(41.0975, 73.6548, 40.0232)
contains.

XYZ(41.1053, 73.6581, 40.0679)	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(41.1053, 73.6581,
40.0679)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF94
RGB	0, 255, 148
RGB Percent	0%, 100%, 58%
CMY	0.9999, 0.0000, 0.4196
CMYK	1.00, 0.00, 0.42, 0.00
HSL	155°, 100%, 50%
HSV	155°, 100%, 100%
XYZ	41.1053, 73.6581, 40.0679
YIQ	166.5570, -117.6330, -87.3370

Conversions

Conversions Part 2

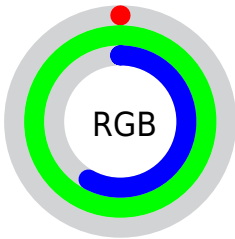
Format	Color
RYB	0, 161, 255
Decimal	65428
CIELab	88.76, -73.44, 37.30
CIELCh	89, 82.370, 153.073
Yxy	73.6581, 0.2655, 0.4757
Android (android.graphics.Color)	4278255508 (0xFF00FF94)
YUV	166.5570, -9.1486, -146.0705
Hunter-Lab	85.8243, -64.7005, 32.3969

Details

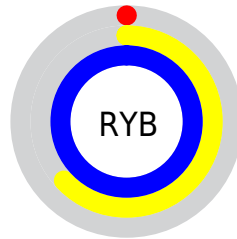
The XYZ color **41.1053, 73.6581, 40.0679** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.8953, 22.3225, 15.9111**, and the grayscale version is **36.6025, 38.5087, 41.9360**.

A 20% lighter version of the original color is **53.6097, 79.4766, 69.0149**, and **22.0776, 40.7770, 17.7735** is the 20% darker color. If you saturate the color by 10%, you get **41.1047, 73.6579, 40.0648**, and if you desaturate by 10%, it is **42.4063, 74.2263, 44.7583**.

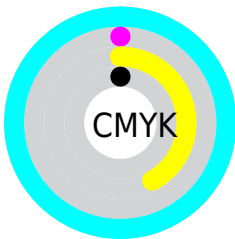
Distribution



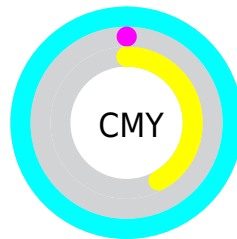
- Red (0%)
- Green (100%)
- Blue (58%)



- Red (0%)
- Yellow (63%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1053, 73.6581, 40.0679 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 41.1053, 73.6581, 40.0679 by changing the saturation by 10% instead.


 41.1053, 73.6581,
40.0679


 41.1053, 73.6581,
40.0679


341.8156,
473.2925, 361.9703

 28.5894, 54.5143,
27.2773


 76.1174, 124.4110,
76.5051


 18.9132, 39.0129,
17.5473


 99.3443, 156.7889,
100.9888


 11.7112, 26.7698,
10.4594


 126.8723,
194.3469, 130.2073

 6.6181, 17.4004,
5.5950

 159.0667,
237.4694, 164.5791

 3.2686, 10.5204,
2.5357

 196.2929,
286.5408, 204.5227

 1.2974, 5.7453,
0.8590

238.9162,

 0.1812, 2.6908,

341.9455, 250.4568

0.0000

287.3020,
404.0680, 302.7998

■ 0.0000, 0.9725,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.1053, 73.6581,
40.0679

■ 41.1053, 73.6581,
40.0679


■ 41.1047, 73.6579,
40.0648


■ 42.4063, 74.2263,
44.7583

■ 44.3259, 75.1042,
49.8958


■ 47.0313, 76.3777,
55.4997


■ 50.6249, 78.0993,
61.5847

 55.1931, 80.3133,
68.1644

 60.8114, 83.0586,
75.2514

 67.5476, 86.3699,
82.8580

 75.4637, 90.2789,
90.9958

 84.6170, 94.8149,
99.6760

Harmonies

Analogous

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



51.1144, 73.6581, 18.9164



41.1053, 73.6581, 40.0679



38.2980, 73.6581, 86.2291

Triad

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



41.1053, 73.6581, 40.0679



72.0841, 73.6581, 247.2351



107.2721, 73.6581, 33.9887

Complementary

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



41.1053, 73.6581, 40.0679



43.8953, 22.3225, 15.9111

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.



115.6589, 73.6581, 74.4609



41.1053, 73.6581, 40.0679



93.0678, 73.6581, 211.7590

Square

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



41.1053, 73.6581, 40.0679



54.0538, 73.6581, 223.1974



110.0254, 73.6581, 140.8571



88.8322, 73.6581, 16.7583

Rectangle

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



41.1053, 73.6581, 40.0679



40.3467, 73.6581, 131.3465



110.0254, 73.6581, 140.8571



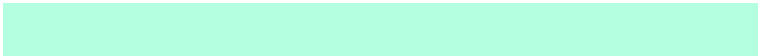
111.5036, 73.6581, 44.4269

Sweetspot

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



41.1058, 73.6584, 40.0692



67.5405, 86.3664, 82.8504



42.2547, 74.8681, 12.2247



13.8186, 18.1720, 17.0333



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.



41.1058, 73.6584, 40.0692



41.1047, 73.6579, 40.0648



48.6253, 68.3702, 105.2417



18.2136, 20.3450, 21.4280



21.5543, 38.5183, 21.3361



2.1532, 3.7722, 2.3647

Inverse Universe

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



43.8953, 22.3225, 15.9111



43.8942, 22.3217, 15.9070



41.4409, 21.6617, 1.9976



18.3256, 18.1135, 20.3317



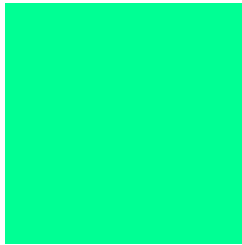
23.0062, 11.6918, 8.6832



2.2931, 1.1596, 1.1249

Previews

White Background



This preview shows how the XYZ color 41.1053, 73.6581, 40.0679 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 41.1053, 73.6581, 40.0679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

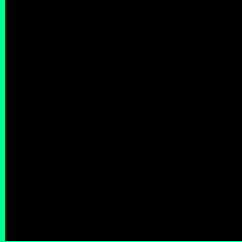
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

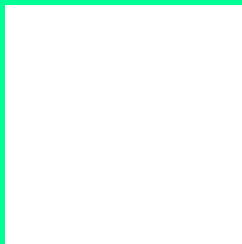
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.1053, 73.6581, 40.0679

Background



This preview shows how black text looks on a background with the XYZ color 41.1053, 73.6581, 40.0679.



This preview shows how white text looks on a background with the XYZ color 41.1053, 73.6581,

Color Blindness Simulation

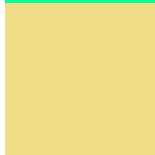
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.1053, 73.6581, 40.0679



Protanopia

66.5053, 72.1629, 33.3453



Deuteranopia

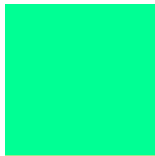
72.4806, 71.8271, 49.0736



Tritanopia

57.3769, 72.8811, 105.6511

Trichromacy



Original Color

41.1053, 73.6581, 40.0679



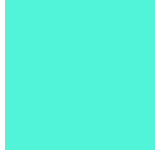
Protanomaly

47.0094, 66.9436, 35.2547



Deuteranomaly

49.2546, 65.8125, 44.7574



Tritanomaly

48.1387, 71.4086, 76.2118

Monochromacy



Original Color

41.1053, 73.6581, 40.0679



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.7124, 46.4491, 40.4991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1053, 73.6581, 40.0679 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(0, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 148)  
}
```

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(0, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 41.1053, 73.6581, 40.0679 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(0, 255, 148) }
```


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

```
.border{ border-color:rgb(0, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1053, 73.6581, 40.0679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 148) }
```

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

```
.background{ background-color: rgb(0, 255,  
148) }
```

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