

Converting Colors

XYZ(40.1970, 73.0603, 26.5790)

Have a look what the booklet for
XYZ(40.1970, 73.0603, 26.5790)
contains.

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Color

**XYZ(40.1266, 72.9798,
26.4396)**

Conversions

Conversions Part 1

Format	Color
Hex	3DFE6D
RGB	61, 254, 109
RGB Percent	24%, 100%, 43%
CMY	0.7608, 0.0039, 0.5725
CMYK	0.76, 0.00, 0.57, 0.00
HSL	135°, 99%, 62%
HSV	135°, 76%, 100%
XYZ	40.1266, 72.9798, 26.4396
YIQ	179.7630, -68.4830, -86.0110

Conversions

Conversions Part 2

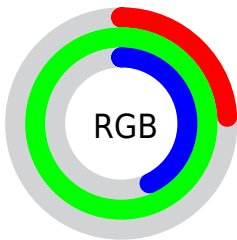
Format	Color
RYB	61, 216, 254
Decimal	4062829
CIELab	88.44, -75.07, 55.29
CIELCh	88, 93.238, 143.629
Yxy	72.9798, 0.2876, 0.5230
Android (android.graphics.Color)	4282252909 (0xFF3DFE6D)
YUV	179.7630, -34.8862, -104.1552
Hunter-Lab	85.4282, -65.6559, 41.4498

Details

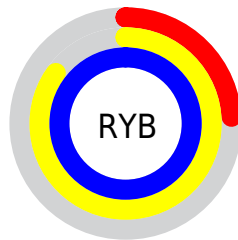
The XYZ color **40.1266, 72.9798, 26.4396** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **53.6845, 28.8658, 61.1367**, and the grayscale version is **43.4645, 45.7280, 49.7978**.

A 20% lighter version of the original color is **52.6142, 79.4346, 47.6813**, and **20.4058, 39.7462, 10.0863** is the 20% darker color. If you saturate the color by 10%, you get **37.9990, 71.9912, 21.5482**, and if you desaturate by 10%, it is **43.2202, 74.4448, 32.5435**.

Distribution



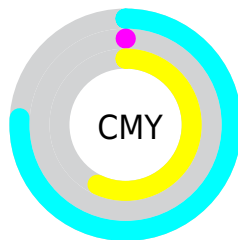
- Red (24%)
- Green (100%)
- Blue (43%)



- Red (24%)
- Yellow (85%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1266, 72.9798, 26.4396 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 40.1266, 72.9798, 26.4396 by changing the saturation by 10% instead.


 40.1266, 72.9798,
26.4396


 40.1266, 72.9798,
26.4396


337.7822,
470.9448, 298.6073


 27.8219, 53.9594,
16.9241


 74.6394, 123.4485,
54.9760

 18.3312, 38.5692,
10.0190


 97.5782, 155.6657,
74.8341

 11.2892, 26.4248,
5.3058


 124.7924,
193.0506, 98.9767

 6.3304, 17.1417,
2.3659

 156.6474,
235.9876, 127.8224

 3.0896, 10.3356,
0.7678

193.5085,
284.8612, 161.7898

 1.2013, 5.6220,
0.0000

235.7411,

 0.1074, 2.6166,

340.0556, 201.2973

0.0000

283.7105,
401.9553, 246.7637

■ 0.0000, 0.9350,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1266, 72.9798,
26.4396

■ 40.1266, 72.9798,
26.4396

■ 37.9990, 71.9912,
21.5482

■ 43.2202, 74.4448,
32.5435

■ 36.7030, 71.4051,
17.7821

■ 47.3802, 76.4302,
39.9292

■ 36.3453, 71.2472,
16.5646

■ 52.6994, 78.9845,
48.6664

■ 59.2591, 82.1483,
58.8183

67.1330, 85.9582,
70.4443

76.3887, 90.4481,
83.6001

87.0895, 95.6494,
98.3386

94.7332, 99.3664,
108.7944

Harmonies

Analogous

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



53.4840, 72.9798, 11.5390



40.1266, 72.9798, 26.4396



34.7428, 72.9798, 66.5381

Triad

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



40.1266, 72.9798, 26.4396



64.6918, 72.9798, 276.0943



116.8187, 72.9798, 39.5447

Complementary

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



40.1266, 72.9798, 26.4396



53.6845, 28.8658, 61.1367

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.



121.6216, 72.9798, 93.9609



40.1266, 72.9798, 26.4396



88.1145, 72.9798, 254.6801

Square

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



40.1266, 72.9798, 26.4396



46.8169, 72.9798, 226.0520



110.1791, 72.9798, 177.4380



98.1917, 72.9798, 15.7516

Rectangle

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



40.1266, 72.9798, 26.4396



35.3438, 72.9798, 112.2428



110.1791, 72.9798, 177.4380



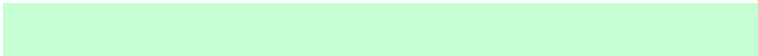
120.2489, 72.9798, 53.7805

Sweetspot

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



40.1284, 72.9828, 26.4413



70.3661, 88.0027, 74.8640



62.5718, 84.7744, 17.4805



14.3810, 18.5065, 15.0438



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.



40.1284, 72.9828, 26.4413



37.5848, 72.2906, 19.6910



48.0923, 76.1684, 68.3785



17.9568, 20.2423, 20.0757



19.2099, 37.5806, 8.9908



1.9118, 3.6756, 1.0933

Inverse Universe

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



53.6845, 28.8658, 61.1367



51.6564, 25.9152, 55.2755



45.4944, 25.5898, 18.0083



18.5883, 18.2186, 21.7149



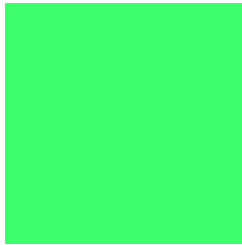
26.5587, 13.1128, 27.3905



2.6295, 1.2942, 2.8961

Previews

White Background



This preview shows how the XYZ color 40.1266, 72.9798, 26.4396 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 40.1266, 72.9798, 26.4396 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 40.1266, 72.9798, 26.4396

Background



This preview shows how black text looks on a background with the XYZ color 40.1266, 72.9798, 26.4396.



This preview shows how white text looks on a background with the XYZ color 40.1266, 72.9798,

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

40.1266, 72.9798, 26.4396

Protanopia

65.1060, 71.3013, 21.8864

Deuteranopia

71.2923, 71.3517, 42.8156



Tritanopia

57.0866, 72.3004, 105.5543

Trichromacy



Original Color

40.1266, 72.9798, 26.4396



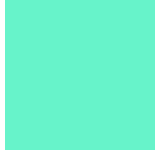
Protanomaly

49.3863, 68.0196, 23.0965



Deuteranomaly

52.3183, 67.6002, 35.4900



Tritanomaly

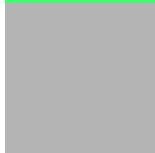
48.3048, 71.2490, 67.0836

Monochromacy



Original Color

40.1266, 72.9798, 26.4396



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.4621, 52.2771, 38.6352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1266, 72.9798, 26.4396 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(61, 254, 109)` looks like.

```
.text, #text, p{  
    color:rgb(61, 254, 109)  
}
```

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(61, 254, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 254, 109) }
```

Border

The CSS property to change the border of an element to XYZ 40.1266, 72.9798, 26.4396 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(61, 254, 109) }
```


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

```
.border{ border-color:rgb(61, 254, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 254, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 254, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 254, 109);  
box-shadow:4px 4px 4px 4px rgb(61, 254,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1266, 72.9798, 26.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 254, 109) }
```

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

```
.background{ background-color: rgb(61, 254,  
109) }
```

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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