

Converting Colors

XYZ(40.9592, 73.9726, 22.4481)

Have a look what the booklet for
XYZ(40.9592, 73.9726, 22.4481)
contains.

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Color

**XYZ(40.9602, 73.9726,
22.4752)**

Conversions

Conversions Part 1

Format	Color
Hex	4FFF5D
RGB	79, 255, 93
RGB Percent	31%, 100%, 36%
CMY	0.6902, 0.0000, 0.6353
CMYK	0.69, 0.00, 0.64, 0.00
HSL	125°, 100%, 65%
HSV	125°, 69%, 100%
XYZ	40.9602, 73.9726, 22.4752
YIQ	183.9080, -52.8940, -87.6940

Conversions

Conversions Part 2

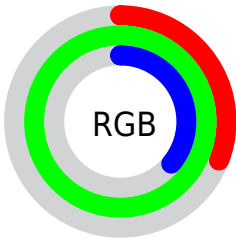
Format	Color
RYB	79, 242, 255
Decimal	5242717
CIELab	88.91, -74.53, 62.68
CIELCh	89, 97.381, 139.935
Yxy	73.9726, 0.2981, 0.5383
Android (android.graphics.Color)	4283432797 (0xFF4FFF5D)
YUV	183.9080, -44.8176, -92.0043
Hunter-Lab	86.0073, -65.5038, 44.7116

Details

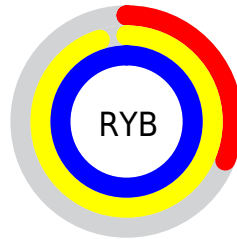
The XYZ color **40.9602, 73.9726, 22.4752** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **59.9125, 33.2026, 86.4666**, and the grayscale version is **45.7698, 48.1534, 52.4391**.

A 20% lighter version of the original color is **53.5792, 80.0795, 41.0667**, and **20.2408, 40.0423, 8.1010** is the 20% darker color. If you saturate the color by 10%, you get **38.3455, 72.7268, 17.7342**, and if you desaturate by 10%, it is **44.7073, 75.7651, 28.9363**.

Distribution



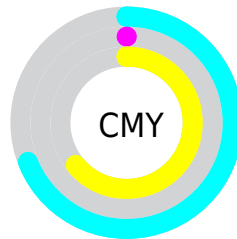
- Red (31%)
- Green (100%)
- Blue (36%)



- Red (31%)
- Yellow (95%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9602, 73.9726, 22.4752 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 40.9602, 73.9726, 22.4752 by changing the saturation by 10% instead.


 40.9602, 73.9726,
22.4752


 40.9602, 73.9726,
22.4752


341.2197,
474.3788, 278.0520

 28.4755, 54.7716,
14.0048


 75.8986, 124.8570,
48.4424


 18.8267, 39.2189,
7.9852


 99.0830, 157.3091,
66.7763

 11.6484, 26.9301,
3.9979


 126.5646,
194.9472, 89.2351

 6.5752, 17.5207,
1.6242

 158.7089,
238.1554, 116.2374

 3.2418, 10.6064,
0.3080

195.8812,
287.3183, 148.2017

 1.2829, 5.8029,
0.0000

238.4469,

 0.1704, 2.7256,

342.8202, 185.5465

0.0000

286.7713,
405.0456, 228.6904

0.0000, 0.9902,
0.0000

0.0000, 0.0000,
0.0000

40.9602, 73.9726,
22.4752

40.9602, 73.9726,
22.4752

38.3455, 72.7268,
17.7342

44.7073, 75.7651,
28.9363

36.7333, 71.9646,
14.5458


49.6957, 78.1577,
37.2571


35.9419, 71.5964,
12.7145

56.0222, 81.1975,
47.5669

35.8889, 71.5715,
12.5986

63.7738, 84.9269,
59.9825

 73.0304, 89.3846,
74.6117

 83.8657, 94.6066,
91.5550

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.



55.9308, 73.9726, 9.7027



40.9602, 73.9726, 22.4752



34.3974, 73.9726, 59.8805

Triad

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



40.9602, 73.9726, 22.4752



62.6653, 73.9726, 288.5265



122.2386, 73.9726, 43.8329

Complementary

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



40.9602, 73.9726, 22.4752



59.9125, 33.2026, 86.4666

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.



125.1866, 73.9726, 105.4851



40.9602, 73.9726, 22.4752



86.9610, 73.9726, 275.1758

Square

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



40.9602, 73.9726, 22.4752



44.9370, 73.9726, 226.7580



111.1160, 73.9726, 196.6442



103.7857, 73.9726, 16.3718

Rectangle

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



40.9602, 73.9726, 22.4752



34.3863, 73.9726, 105.1372



111.1160, 73.9726, 196.6442



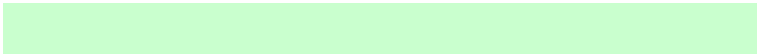
125.2129, 73.9726, 60.1195

Sweetspot

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



40.9605, 73.9727, 22.4764



71.0741, 88.4422, 71.5337



74.2256, 91.1867, 21.0859



14.6508, 18.6596, 14.4247



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.



40.9605, 73.9727, 22.4764



37.5917, 72.3695, 16.2889



47.0942, 76.4262, 54.7762



17.8302, 20.1916, 19.4089



18.7732, 37.4059, 6.6907



1.8471, 3.6498, 0.7528

Inverse Universe

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



59.9125, 33.2026, 86.4666



57.5726, 29.1957, 83.6122



49.9748, 29.2275, 34.1355



18.7266, 18.2740, 22.4435



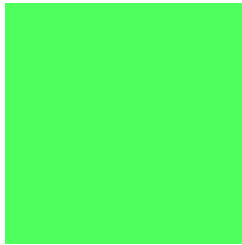
29.3884, 14.2447, 42.2915



2.8792, 1.3941, 4.2113

Previews

White Background



This preview shows how the XYZ color 40.9602, 73.9726, 22.4752 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 40.9602, 73.9726, 22.4752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

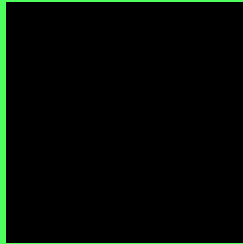
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9602, 73.9726, 22.4752

Background



This preview shows how black text looks on a background with the XYZ color 40.9602, 73.9726, 22.4752.



This preview shows how white text looks on a background with the XYZ color 40.9602, 73.9726,

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

40.9602, 73.9726, 22.4752

Protanopia

66.0404, 72.6412, 18.7241

Deuteranopia

71.9735, 72.4341, 43.9060



Tritanopia

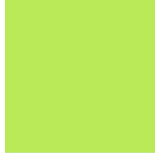
58.8154, 73.1916, 105.6352

Trichromacy



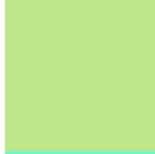
Original Color

40.9602, 73.9726, 22.4752



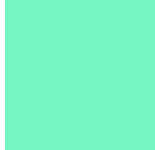
Protanomaly

51.3928, 69.9729, 19.8143



Deuteranomaly

54.2266, 69.4476, 33.8392



Tritanomaly

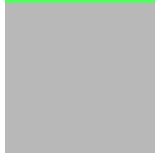
49.6506, 72.4688, 63.5956

Monochromacy



Original Color

40.9602, 73.9726, 22.4752



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.4866, 54.4385, 37.6520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9602, 73.9726, 22.4752 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(79, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 93)  
}
```

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(79, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 93) }
```

Border

The CSS property to change the border of an element to XYZ 40.9602, 73.9726, 22.4752 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(79, 255, 93) }
```


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

```
.border{ border-color:rgb(79, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9602, 73.9726, 22.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 93) }
```

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

```
.background{ background-color: rgb(79, 255,  
93) }
```

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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