

Converting Colors

XYZ(40.5156, 73.7034, 24.2609)

Have a look what the booklet for
XYZ(40.5156, 73.7034, 24.2609)
contains.

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Color

**XYZ(40.5145, 73.7053,
24.1478)**

Conversions

Conversions Part 1

Format	Color
Hex	45FF64
RGB	69, 255, 100
RGB Percent	27%, 100%, 39%
CMY	0.7294, 0.0000, 0.6078
CMYK	0.73, 0.00, 0.61, 0.00
HSL	130°, 100%, 64%
HSV	130°, 73%, 100%
XYZ	40.5145, 73.7053, 24.1478
YIQ	181.7160, -61.1010, -87.6370

Conversions

Conversions Part 2

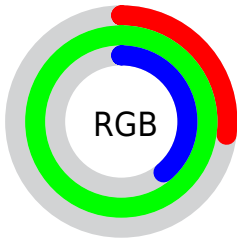
Format	Color
RYB	69, 228, 255
Decimal	4587364
CIELab	88.78, -75.36, 59.60
CIELCh	89, 96.077, 141.659
Yxy	73.7053, 0.2928, 0.5327
Android (android.graphics.Color)	4282777444 (0xFF45FF64)
YUV	181.7160, -40.2860, -98.8519
Hunter-Lab	85.8518, -66.0043, 43.4196

Details

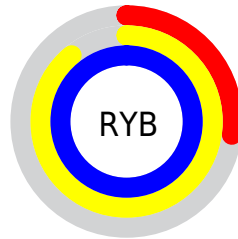
The XYZ color **40.5145, 73.7053, 24.1478** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **56.8224, 30.8981, 73.4880**, and the grayscale version is **44.5451, 46.8649, 51.0359**.

A 20% lighter version of the original color is **52.8317, 79.6373, 43.5974**, and **20.4023, 40.1069, 8.9516** is the 20% darker color. If you saturate the color by 10%, you get **38.1798, 72.6055, 19.3524**, and if you desaturate by 10%, it is **43.8945, 75.3130, 30.3944**.

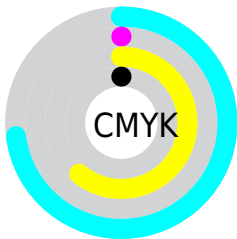
Distribution



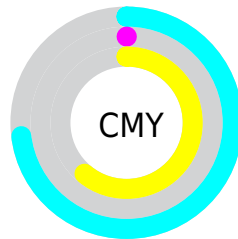
- Red (27%)
- Green (100%)
- Blue (39%)



- Red (27%)
- Yellow (89%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5145, 73.7053, 24.1478 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 40.5145, 73.7053, 24.1478 by changing the saturation by 10% instead.


 40.5145, 73.7053,
24.1478


 40.5145, 73.7053,
24.1478


339.3847,
473.4556, 286.8774


 28.1259, 54.5529,
15.2301


 75.2257, 124.4780,
51.2181

 18.5615, 39.0438,
8.8326


 98.2790, 156.8670,
70.2078

 11.4560, 26.7938,
4.5368


 125.6180,
194.4370, 93.3919

 6.4440, 17.4185,
1.9242

 157.6080,
237.5724, 121.1890

 3.1601, 10.5333,
0.5081

194.6143,
286.6575, 154.0175

 1.2390, 5.7539,
0.0000

237.0022,

 0.1368, 2.6960,

342.0769, 192.2961

0.0000

285.1373,
404.2148, 236.4432

0.0000, 0.9752,
0.0000

0.0000, 0.0000,
0.0000

40.5145, 73.7053,
24.1478

40.5145, 73.7053,
24.1478

38.1798, 72.6055,
19.3524

43.8945, 75.3130,
30.3944

36.7607, 71.9491,
15.8874

48.4264, 77.4813,
38.1930

36.1870, 71.6908,
14.1686

54.2042, 80.2568,
47.6395

61.3122, 83.6810,
58.8211

■ 69.8269, 87.7917,
71.8186

■ 79.8192, 92.6237,
86.7080

■ 91.3551, 98.2095,
103.5609

■ 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.



54.8155, 73.7053, 10.3810



40.5145, 73.7053, 24.1478



34.4775, 73.7053, 63.0758

Triad

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



40.5145, 73.7053, 24.1478



63.7677, 73.7053, 285.2863



120.3611, 73.7053, 41.6643

Complementary

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



40.5145, 73.7053, 24.1478



56.8224, 30.8981, 73.4880

Split Complementary

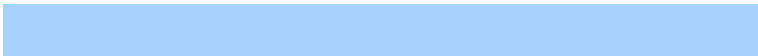
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



124.2521, 73.7053, 100.2947



40.5145, 73.7053, 24.1478



87.8850, 73.7053, 267.7555

Square

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



40.5145, 73.7053, 24.1478



45.8201, 73.7053, 228.3904



111.2960, 73.7053, 188.7625



101.6086, 73.7053, 15.8927

Rectangle

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



40.5145, 73.7053, 24.1478



34.7586, 73.7053, 109.0089



111.2960, 73.7053, 188.7625



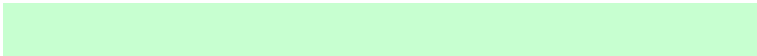
123.5945, 73.7053, 57.0583

Sweetspot

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



40.5148, 73.7055, 24.1490



70.7027, 88.2149, 73.1373



67.5748, 87.7970, 19.0154



14.6004, 18.6241, 14.8503



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.



40.5148, 73.7055, 24.1490



37.3566, 72.2225, 17.4409



47.8401, 76.6355, 62.7231



17.8951, 20.2176, 19.7504



18.9444, 37.4744, 7.5926



1.8776, 3.6620, 0.9132

Inverse Universe

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



56.8224, 30.8981, 73.4880



54.3217, 27.2600, 68.4515



47.4650, 27.1552, 24.2129



18.6550, 18.2453, 22.0663



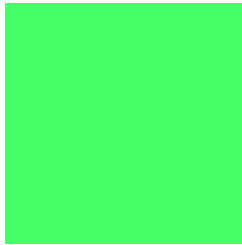
27.8391, 13.6249, 34.1328



2.7436, 1.3398, 3.4971

Previews

White Background



This preview shows how the XYZ color 40.5145, 73.7053, 24.1478 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 40.5145, 73.7053, 24.1478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

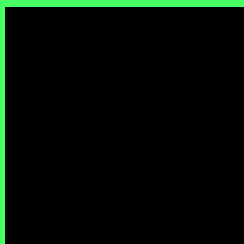
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5145, 73.7053, 24.1478

Background



This preview shows how black text looks on a background with the XYZ color 40.5145, 73.7053, 24.1478.

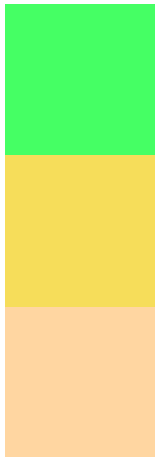


This preview shows how white text looks on a background with the XYZ color 40.5145, 73.7053,

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

40.5145, 73.7053, 24.1478

Protanopia

65.7080, 72.0439, 20.1155

Deuteranopia

71.7196, 71.9263, 43.8214



Tritanopia

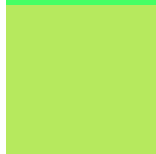
58.1657, 72.8567, 105.6048

Trichromacy



Original Color

40.5145, 73.7053, 24.1478



Protanomaly

50.4507, 69.0311, 21.2550



Deuteranomaly

53.1730, 68.4675, 34.8391



Tritanomaly

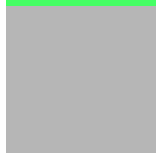
49.0899, 72.1399, 65.3699

Monochromacy



Original Color

40.5145, 73.7053, 24.1478



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.4525, 53.5306, 37.9588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5145, 73.7053, 24.1478 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(69, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 100)  
}
```

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(69, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 100) }
```

Border

The CSS property to change the border of an element to XYZ 40.5145, 73.7053, 24.1478 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(69, 255, 100) }
```


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

```
.border{ border-color:rgb(69, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5145, 73.7053, 24.1478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 100) }
```

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

```
.background{ background-color: rgb(69, 255,  
100) }
```

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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