

# Converting Colors

XYZ(40.6521, 73.7821, 19.2149)

Have a look what the booklet for  
XYZ(40.6521, 73.7821, 19.2149)  
contains.

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# Color

**XYZ(40.7024, 73.9091,  
19.3284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53FF4E
RGB	83, 255, 78
RGB Percent	33%, 100%, 31%
CMY	0.6745, 0.0000, 0.6941
CMYK	0.67, 0.00, 0.69, 0.00
HSL	118°, 100%, 65%
HSV	118°, 69%, 100%
XYZ	40.7024, 73.9091, 19.3284
YIQ	183.3940, -45.6950, -91.5110

# Conversions

## Conversions Part 2

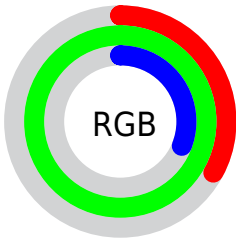
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">78, 255, 250</a>
Decimal	<a href="#">5504846</a>
CIELab	<a href="#">88.88, -75.19, 68.42</a>
CIELCh	<a href="#">89, 101.665, 137.698</a>
Yxy	<a href="#">73.9091, 0.3039, 0.5518</a>
Android (android.graphics.Color)	<a href="#">4283694926 (0xFF53FF4E)</a>
YUV	<a href="#">183.3940, -51.9592, -88.0455</a>
Hunter-Lab	<a href="#">85.9704, -65.9380, 46.8493</a>

# Details

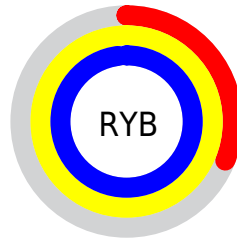
The XYZ color **40.7024, 73.9091, 19.3284** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **60.2015, 32.9949, 97.8034**, and the grayscale version is **45.5211, 47.8917, 52.1541**.

A 20% lighter version of the original color is **53.0821, 79.9447, 35.5548**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.1490, 72.6786, 15.3266**, and if you desaturate by 10%, it is **44.3913, 75.6839, 25.2344**.

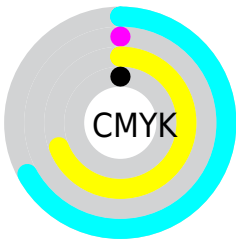
# Distribution



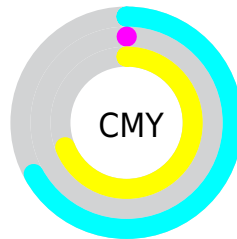
- Red (33%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (98%)



- Cyan (67%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7024, 73.9091, 19.3284 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 40.7024, 73.9091, 19.3284 by changing the saturation by 10% instead.





 40.7024, 73.9091,  
19.3284


 40.7024, 73.9091,  
19.3284


340.1591,  
474.1596, 260.7386

 28.2733, 54.7196,  
11.7286


 75.5095, 124.7669,  
43.1324

 18.6733, 39.1773,  
6.4389


 98.6181, 157.2041,  
60.1736

 11.5370, 26.8977,  
3.0407

 126.0174,  
194.8260, 81.1990

 6.4992, 17.4964,  
1.1154

 158.0725,  
238.0169, 106.6273

 3.1945, 10.5890,  
0.0000

195.1489,  
287.1614, 136.8768

 1.2574, 5.7912,  
0.0000

237.6119,

 0.1510, 2.7185,

342.6437, 172.3662

0.0000

285.8268,  
404.8483, 213.5139

0.0000, 0.9866,  
0.0000

0.0000, 0.0000,  
0.0000

40.7024, 73.9091,  
19.3284

40.7024, 73.9091,  
19.3284

38.1490, 72.6786,  
15.3266

44.3913, 75.6839,  
25.2344

36.5992, 71.9298,  
12.9922


49.3265, 78.0560,  
33.2376


35.8766, 71.5792,  
11.9685

55.6064, 81.0725,  
43.5112

35.8501, 71.5664,  
11.9242

63.3191, 84.7755,  
56.2094

 72.5456, 89.2036,  
71.4730

 83.3607, 94.3927,  
89.4320

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.



56.8032, 73.9091, 8.0593



40.7024, 73.9091, 19.3284



33.3718, 73.9091, 54.8803

# Triad

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



40.7024, 73.9091, 19.3284



60.6264, 73.9091, 299.2780



125.7638, 73.9091, 45.8623

# Complementary

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



40.7024, 73.9091, 19.3284



60.2015, 32.9949, 97.8034

# 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.



127.4741, 73.9091, 112.9973



40.7024, 73.9091, 19.3284



85.6636, 73.9091, 291.4096

# Square

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



40.7024, 73.9091, 19.3284



42.9347, 73.9091, 228.3942



111.4551, 73.9091, 210.7568



107.2182, 73.9091, 16.0432



# Rectangle

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



40.7024, 73.9091, 19.3284



32.9709, 73.9091, 100.0596



111.4551, 73.9091, 210.7568



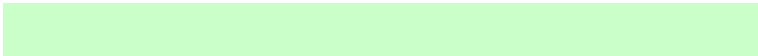
128.4603, 73.9091, 63.6278

# Sweetspot

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



40.7026, 73.9091, 19.3296



70.9736, 88.4493, 68.8680



76.5220, 89.6235, 20.4748



14.6274, 18.6612, 13.8070



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.



40.7026, 73.9091, 19.3296



37.4847, 72.3580, 14.3102



45.3005, 75.6992, 45.7589



17.8189, 20.1926, 19.1027



18.7529, 37.4056, 6.2316



1.8418, 3.6503, 0.6075



# Inverse Universe

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



60.2015, 32.9949, 97.8034



58.0038, 29.1183, 97.1710



51.4500, 29.7037, 42.2546



18.7390, 18.2727, 22.7893



29.6458, 14.1935, 50.6117

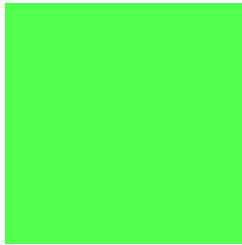


2.9019, 1.3899, 4.9286



# Previews

## White Background



This preview shows how the XYZ color 40.7024, 73.9091, 19.3284 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 40.7024, 73.9091, 19.3284 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

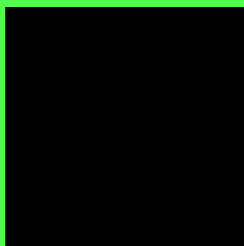
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.7024, 73.9091, 19.3284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7024, 73.9091, 19.3284.



This preview shows how white text looks on a background with the XYZ color 40.7024, 73.9091,



# 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

40.7024, 73.9091, 19.3284

### Protanopia

65.9069, 72.6287, 16.1753

### Deuteranopia

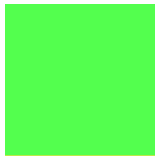
71.7984, 72.3641, 42.9844



## Tritanopia

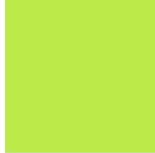
58.8154, 73.1916, 105.6352

# Trichromacy



## Original Color

40.7024, 73.9091, 19.3284



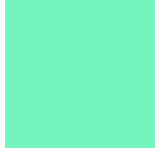
## Protanomaly

51.3316, 70.0049, 16.9377



## Deuteranomaly

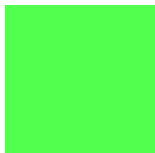
54.0643, 69.4118, 31.6674



## Tritanomaly

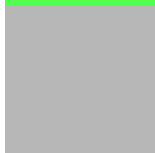
49.2259, 72.3145, 60.6538

# Monochromacy



## Original Color

40.7024, 73.9091, 19.3284



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

39.9439, 53.8483, 35.0766

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7024, 73.9091, 19.3284 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(83, 255, 78)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 78)  
}
```

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(83, 255, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7024, 73.9091, 19.3284 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(83, 255, 78) }
```



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

```
.border{ border-color:rgb(83, 255, 78) }
```

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

Here you see how a box with a 4 pixel rgb(83, 255, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 78);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7024, 73.9091, 19.3284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 78) }
```

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

```
.background{ background-color: rgb(83, 255,  
78) }
```

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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