

Converting Colors

XYZ(41.9379, 74.0740, 40.7090)

Have a look what the booklet for
XYZ(41.9379, 74.0740, 40.7090)
contains.

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Color

**XYZ(41.9124, 74.0650,
40.5207)**

Conversions

Conversions Part 1

Format	Color
Hex	24FF95
RGB	36, 255, 149
RGB Percent	14%, 100%, 58%
CMY	0.8588, 0.0000, 0.4157
CMYK	0.86, 0.00, 0.42, 0.00
HSL	151°, 100%, 57%
HSV	151°, 86%, 100%
XYZ	41.9124, 74.0650, 40.5207
YIQ	177.4350, -96.4980, -79.3940

Conversions

Conversions Part 2

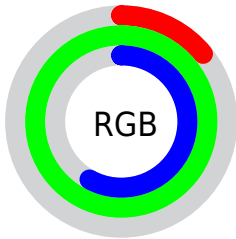
Format	Color
R_{YB}	36, 180, 255
Decimal	2424725
CIE _{Lab}	88.95, -71.81, 37.10
CIE _{LCh}	89, 80.827, 152.681
Yxy	74.0650, 0.2678, 0.4733
Android (android.graphics.Color)	4280614805 (0xFF24FF95)
YUV	177.4350, -14.0185, -124.0385
Hunter-Lab	86.0610, -63.6759, 32.3268

Details

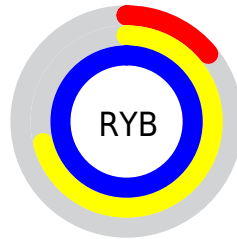
The XYZ color **41.9124, 74.0650, 40.5207** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **46.7541, 24.4755, 27.8538**, and the grayscale version is **42.1279, 44.3218, 48.2664**.

A 20% lighter version of the original color is **54.9713, 80.1647, 69.7028**, and **22.1239, 40.7956, 18.0175** is the 20% darker color. If you saturate the color by 10%, you get **40.3826, 73.3843, 35.5755**, and if you desaturate by 10%, it is **44.1795, 75.1138, 46.0481**.

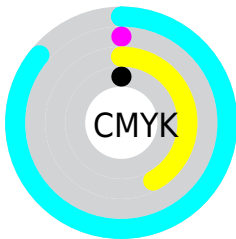
Distribution



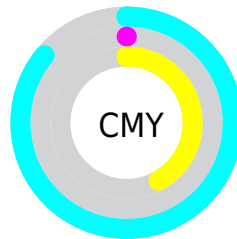
- Red (14%)
- Green (100%)
- Blue (58%)



- Red (14%)
- Yellow (71%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9124, 74.0650, 40.5207 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 41.9124, 74.0650, 40.5207 by changing the saturation by 10% instead.


 41.9124, 74.0650,
40.5207


 41.9124, 74.0650,
40.5207


345.1175,
474.6977, 363.9305


 29.2235, 54.8472,
27.6279


 77.3330, 124.9879,
77.2015


 19.3951, 39.2794,
17.8088


 100.7955,
157.4619, 101.8266

 12.0618, 26.9772,
10.6447


 128.5798,
195.1234, 131.1995

 6.8583, 17.5561,
5.7173

 161.0514,
238.3569, 165.7388

 3.4192, 10.6318,
2.6080

198.5756,
287.5466, 205.8630

 1.3791, 5.8198,
0.8966

241.5178,

 0.2413, 2.7358,

343.0771, 251.9907

0.0000

290.2433,
405.3326, 304.5403

■ 0.0000, 0.9954,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9124, 74.0650,
40.5207

■ 41.9124, 74.0650,
40.5207

■ 40.3826, 73.3843,
35.5755


■ 44.1795, 75.1138,
46.0481


■ 39.8957, 73.1743,
33.6984


■ 47.3010, 76.5905,
52.1756


■ 51.3733, 78.5447,
58.9246

■ 56.4790, 81.0185,
66.3136

 62.6911, 84.0493,
74.3606

 70.0758, 87.6709,
83.0824

 78.6939, 91.9143,
92.4953

 88.6019, 96.8083,
102.6150

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.



51.9248, 74.0650, 19.5981



41.9124, 74.0650, 40.5207



39.0317, 74.0650, 85.8047

Triad

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



41.9124, 74.0650, 40.5207



72.1761, 74.0650, 243.9164



107.1715, 74.0650, 35.2359

Complementary

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



41.9124, 74.0650, 40.5207



46.7541, 24.4755, 27.8538

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.



115.2152, 74.0650, 75.6949



41.9124, 74.0650, 40.5207



92.7994, 74.0650, 210.0822

Square

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



41.9124, 74.0650, 40.5207



54.4603, 74.0650, 219.7971



109.5240, 74.0650, 141.1018



89.1728, 74.0650, 17.6950

Rectangle

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



41.9124, 74.0650, 40.5207



41.0056, 74.0650, 129.9020



109.5240, 74.0650, 141.1018



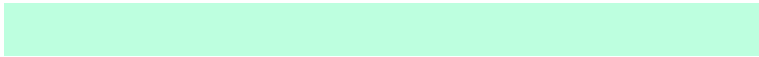
111.2661, 74.0650, 45.7400

Sweetspot

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



41.9129, 74.0653, 40.5220



69.9789, 87.6233, 82.9725



47.8448, 77.7131, 14.1483



14.4027, 18.4723, 17.0969



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.



41.9129, 74.0653, 40.5220



39.8957, 73.1743, 33.6984



54.5379, 79.1152, 107.0041



18.1629, 20.3247, 21.1608



20.9222, 38.2655, 18.0076



2.0924, 3.7479, 2.0442

Inverse Universe

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



46.7541, 24.4755, 27.8538



44.8419, 22.7008, 20.8975



42.1897, 22.6497, 3.8180



18.3757, 18.1336, 20.5955



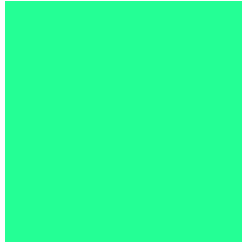
23.5056, 11.8915, 11.3127



2.3436, 1.1798, 1.3906

Previews

White Background



This preview shows how the XYZ color 41.9124, 74.0650, 40.5207 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 41.9124, 74.0650, 40.5207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

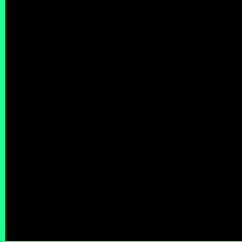
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

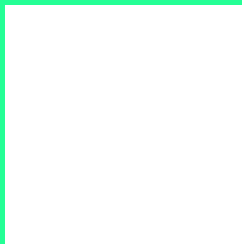
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9124, 74.0650, 40.5207

Background



This preview shows how black text looks on a background with the XYZ color 41.9124, 74.0650, 40.5207.



This preview shows how white text looks on a background with the XYZ color 41.9124, 74.0650,

Color Blindness Simulation

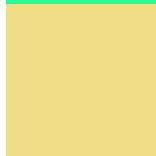
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.9124, 74.0650, 40.5207



Protanopia

66.5760, 72.1912, 33.7179



Deuteranopia

72.8294, 72.3703, 49.6655



Tritanopia

57.8305, 73.1149, 105.6723

Trichromacy



Original Color

41.9124, 74.0650, 40.5207



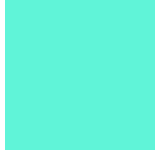
Protanomaly

49.6725, 68.3079, 35.7660



Deuteranomaly

52.3993, 67.8329, 45.4533



Tritanomaly

49.5692, 72.1460, 76.2788

Monochromacy



Original Color

41.9124, 74.0650, 40.5207



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.4106, 50.8883, 44.4099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9124, 74.0650, 40.5207 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(36, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 149)  
}
```

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(36, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 41.9124, 74.0650, 40.5207 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(36, 255, 149) }
```


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

```
.border{ border-color:rgb(36, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9124, 74.0650, 40.5207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 149) }
```

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

```
.background{ background-color: rgb(36, 255,  
149) }
```

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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