

Converting Colors

XYZ(77.4071, 92.4100, 40.0667)

Have a look what the booklet for
XYZ(77.4071, 92.4100, 40.0667)
contains.

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Color

**XYZ(77.4120, 92.4109,
40.1426)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F2FF90 |
| RGB | 242, 255, 144 |
| RGB Percent | 95%, 100%, 56% |
| CMY | 0.0510, 0.0000, 0.4353 |
| CMYK | 0.05, 0.00, 0.44, 0.00 |
| HSL | 67°, 100%, 78% |
| HSV | 67°, 44%, 100% |
| XYZ | 77.4120, 92.4109, 40.1426 |
| YIQ | 238.4590, 27.8830, -37.2770 |

Conversions

Conversions Part 2

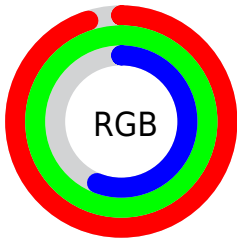
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 144, 255, 157 |
| Decimal | 15925136 |
| CIE _{Lab} | 96.99, -20.08, 51.40 |
| CIE _{LCh} | 97, 55.180, 111.338 |
| Yxy | 92.4109, 0.3687, 0.4401 |
| Android (android.graphics.Color) | 4294115216 (0xFFFF2FF90) |
| YUV | 238.4590, -46.5683, 3.1055 |
| Hunter-Lab | 96.1306, -24.4861, 42.5329 |

Details

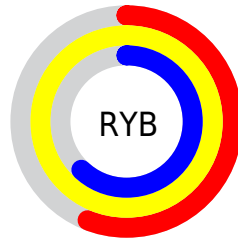
The XYZ color **77.4120, 92.4109, 40.1426** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9290, 34.3359, 99.0253**, and the grayscale version is **81.9578, 86.2259, 93.9000**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **41.8496, 51.3338, 17.6002** is the 20% darker color. If you saturate the color by 10%, you get **74.6611, 91.1930, 30.9637**, and if you desaturate by 10%, it is **80.6202, 93.8136, 51.6429**.

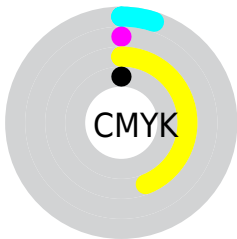
Distribution



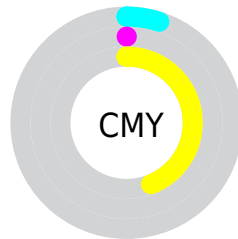
- Red (95%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (62%)



- Cyan (5%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.4120, 92.4109, 40.1426 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 77.4120, 92.4109, 40.1426 by changing the saturation by 10% instead.


 77.4120, 92.4109,
40.1426


 77.4120, 92.4109,
40.1426


475.0380,
535.8426, 362.2942

 57.8922, 69.9820,
27.3351


 128.6907,
150.6828, 76.6201

 41.9649, 51.5118,
17.5904


 161.1802,
187.2945, 101.1271

 29.2648, 36.6161,
10.4899


198.7237,
229.4026, 130.3711

 19.4265, 24.9104,
5.6152

241.6865,
277.3914, 164.7706

 12.0847, 16.0103,
2.5475

290.4340,
331.6455, 204.7441

 6.8740, 9.5315,
0.8652

345.3315,

 3.4291, 5.0894,

392.5491, 250.7102

0.0000

406.7444,
460.4867, 303.0874

■ 1.3845, 2.2998,
0.0000

■ 0.2451, 0.7736,
0.0000

■ 77.4120, 92.4109,
40.1426

■ 77.4120, 92.4109,
40.1426

■ 74.6611, 91.1930,
30.9637

■ 80.6202, 93.8136,
51.6429

■ 72.3368, 90.1478,
23.9444

■ 84.3125, 95.4118,
65.6042

■ 70.4056, 89.2617,
18.9081

■ 88.5142, 97.2157,
82.1594

■ 68.8283, 88.5190,
15.6490

■ 93.2484, 99.2347,
101.4308

■ 67.5570, 87.9007, 95.0500, 100.0000,
13.9161 108.9000

■ 66.8531, 87.5491,
13.3751

Harmonies

Analogous

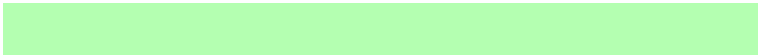
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4071, 92.4109, 37.5524



77.4120, 92.4109, 40.1426



66.5231, 92.4109, 56.0989

Triad

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



77.4120, 92.4109, 40.1426



70.4717, 92.4109, 183.2402



120.7778, 92.4109, 114.0537

Complementary

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



77.4120, 92.4109, 40.1426



41.9290, 34.3359, 99.0253

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.



113.2694, 92.4109, 164.0449



77.4120, 92.4109, 40.1426



83.4139, 92.4109, 211.0267

Square

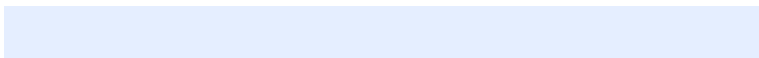
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4120, 92.4109, 40.1426



62.8568, 92.4109, 135.0489



99.1513, 92.4109, 203.1217



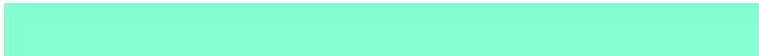
118.6803, 92.4109, 72.6040

Rectangle

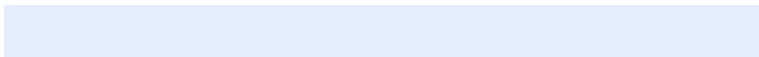
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4120, 92.4109, 40.1426



62.4759, 92.4109, 75.6653



99.1513, 92.4109, 203.1217



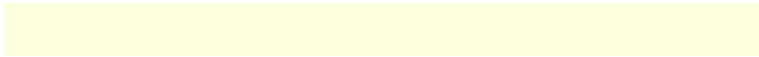
119.2642, 92.4109, 130.5337

Sweetspot

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



77.4122, 92.4109, 40.1439



88.7507, 97.3169, 83.1083



58.3233, 47.3717, 32.4565



18.7868, 20.7402, 16.9506



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

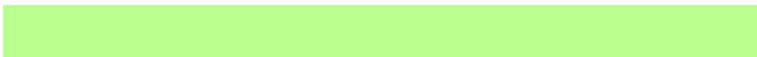
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4122, 92.4109, 40.1439



75.0531, 91.3677, 32.2226



61.1783, 84.0421, 39.3841



19.3394, 20.9764, 19.1739



35.0155, 45.7892, 6.9927



3.4661, 4.4876, 0.6835

Inverse Universe

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



41.9290, 34.3359, 99.0253



35.5285, 26.6348, 97.8762



55.3054, 41.2317, 99.6513



17.2006, 17.4796, 22.7173



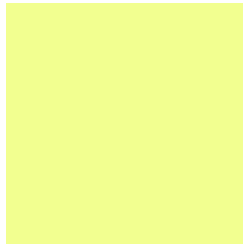
9.7713, 3.9478, 49.6816



1.0118, 0.4155, 4.8401

Previews

White Background



This preview shows how the XYZ color 77.4120, 92.4109, 40.1426 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 77.4120, 92.4109, 40.1426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

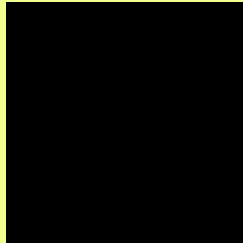
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4120, 92.4109, 40.1426

Background



This preview shows how black text looks on a background with the XYZ color 77.4120, 92.4109, 40.1426.

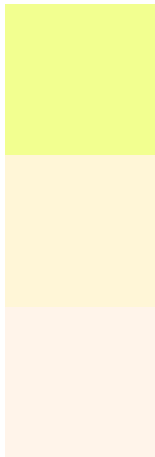


This preview shows how white text looks on a background with the XYZ color 77.4120, 92.4109,

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

77.4120, 92.4109, 40.1426

Protanopia

86.4615, 92.0778, 77.5058

Deuteranopia

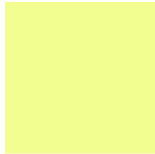
88.4420, 91.9019, 90.9193



Tritanopia

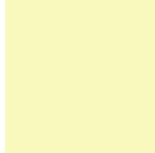
90.2455, 92.0166, 107.6123

Trichromacy



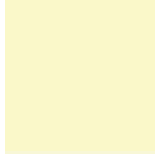
Original Color

77.4120, 92.4109, 40.1426



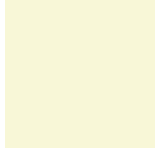
Protanomaly

82.4853, 91.7495, 61.5061



Deuteranomaly

83.5344, 91.6758, 68.5508



Tritanomaly

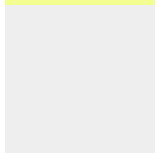
84.2379, 91.3843, 77.4891

Monochromacy



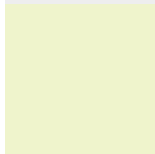
Original Color

77.4120, 92.4109, 40.1426



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8464, 87.4117, 69.8432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4120, 92.4109, 40.1426 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(242, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 144)  
}
```

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(242, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 144) }
```

Border

The CSS property to change the border of an element to XYZ 77.4120, 92.4109, 40.1426 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(242, 255, 144) }
```


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

```
.border{ border-color:rgb(242, 255, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4120, 92.4109, 40.1426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 144) }
```

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

```
.background{ background-color: rgb(242,  
255, 144) }
```

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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