

Converting Colors

XYZ(77.6094, 92.4990, 40.7706)

Have a look what the booklet for
XYZ(77.6094, 92.4990, 40.7706)
contains.

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Color

**XYZ(77.5663, 92.4726,
40.9549)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FF92
RGB	242, 255, 146
RGB Percent	95%, 100%, 57%
CMY	0.0510, 0.0000, 0.4274
CMYK	0.05, 0.00, 0.43, 0.00
HSL	67°, 100%, 79%
HSV	67°, 43%, 100%
XYZ	77.5663, 92.4726, 40.9549
YIQ	238.6870, 27.2410, -36.6550

Conversions

Conversions Part 2

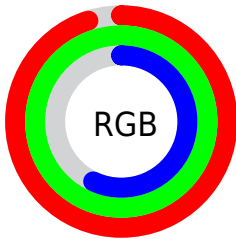
Format	Color
R_{YB}	146, 255, 159
Decimal	15925138
CIE _{Lab}	97.01, -19.88, 50.48
CIE _{LCh}	97, 54.252, 111.492
Yxy	92.4726, 0.3676, 0.4383
Android (android.graphics.Color)	4294115218 (0xFFFF2FF92)
YUV	238.6870, -45.6947, 2.9055
Hunter-Lab	96.1627, -24.3038, 42.0627

Details

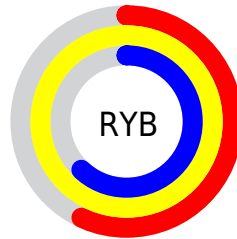
The XYZ color **77.5663, 92.4726, 40.9549** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.6280, 35.1499, 99.1456**, and the grayscale version is **82.1290, 86.4061, 94.0962**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **41.9370, 51.3688, 18.0608** is the 20% darker color. If you saturate the color by 10%, you get **74.7634, 91.2318, 31.5988**, and if you desaturate by 10%, it is **80.8294, 93.8994, 52.6442**.

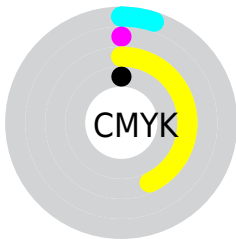
Distribution



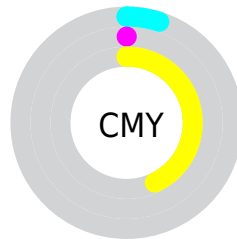
- Red (95%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (62%)



- Cyan (5%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.5663, 92.4726, 40.9549 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 77.5663, 92.4726, 40.9549 by changing the saturation by 10% instead.

 77.5663, 92.4726,
40.9549


 77.5663, 92.4726,
40.9549


475.5551,
536.0417, 365.8031

 58.0193, 70.0332,
27.9644


 128.9072,
150.7682, 77.8684

 42.0675, 51.5536,
18.0600


 161.4318,
187.3933, 102.6284

 29.3455, 36.6494,
10.8232


199.0129,
229.5157, 132.1487

 19.4879, 24.9362,
5.8354

242.0161,
277.5198, 166.8478

 12.1295, 16.0295,
2.6781

290.8065,
331.7901, 207.1443

 6.9047, 9.5450,
0.9324

345.7496,

 3.4484, 5.0984,

392.7109, 253.4566

0.0000

407.2106,
460.6667, 306.2034

■ 1.3951, 2.3051,
0.0000

■ 0.2527, 0.7764,
0.0000

■ 77.5663, 92.4726,
40.9549

■ 77.5663, 92.4726,
40.9549

■ 74.7634, 91.2318,
31.5988

■ 80.8294, 93.8994,
52.6442

■ 72.3903, 90.1650,
24.4154

■ 84.5791, 95.5229,
66.8051

■ 70.4137, 89.2587,
19.2299

■ 88.8407, 97.3532,
83.5699

■ 68.7948, 88.4975,
15.8390

■ 93.6374, 99.3996,
103.0602

■ 67.4867, 87.8626, 95.0500, 100.0000,
13.9963 108.9000

■ 66.6826, 87.4612,
13.3672

Harmonies

Analogous

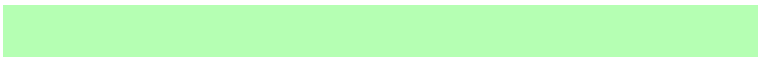
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3088, 92.4726, 38.3115



77.5663, 92.4726, 40.9549



66.8571, 92.4726, 56.8761

Triad

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



77.5663, 92.4726, 40.9549



70.8470, 92.4726, 181.8801



120.2520, 92.4726, 113.6486

Complementary

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



77.5663, 92.4726, 40.9549



42.6280, 35.1499, 99.1456

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.



112.9332, 92.4726, 162.6528



77.5663, 92.4726, 40.9549



83.6192, 92.4726, 208.8708

Square

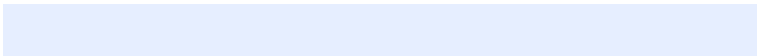
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5663, 92.4726, 40.9549



63.3019, 92.4726, 134.7506



99.0966, 92.4726, 200.9658



118.1461, 92.4726, 72.9099

Rectangle

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



77.5663, 92.4726, 40.9549



62.8824, 92.4726, 76.2803



99.0966, 92.4726, 200.9658



118.7845, 92.4726, 129.8126

Sweetspot

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



77.5665, 92.4727, 40.9562



88.7250, 97.3037, 83.1071



58.7785, 48.0352, 33.3691



18.7804, 20.7369, 16.9503



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

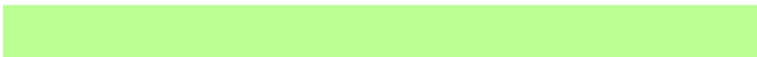
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5665, 92.4727, 40.9562



75.2204, 91.4354, 33.0695



61.6347, 84.2595, 40.2106



19.3354, 20.9743, 19.1737



34.9276, 45.7439, 6.9886



3.4584, 4.4836, 0.6832

Inverse Universe

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



42.6280, 35.1499, 99.1456



36.2703, 27.4901, 98.0022



55.8331, 41.9574, 99.7636



17.2042, 17.4815, 22.7175



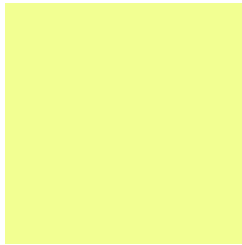
9.7805, 3.9525, 49.6820



1.0135, 0.4164, 4.8402

Previews

White Background



This preview shows how the XYZ color 77.5663, 92.4726, 40.9549 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 77.5663, 92.4726, 40.9549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

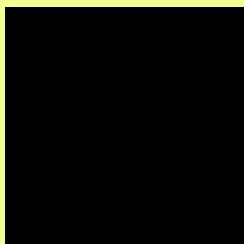
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.5663, 92.4726, 40.9549

Background



This preview shows how black text looks on a background with the XYZ color 77.5663, 92.4726, 40.9549.



This preview shows how white text looks on a background with the XYZ color 77.5663, 92.4726,

Color Blindness Simulation

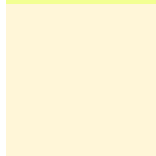
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



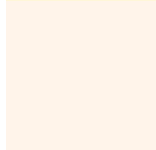
Original Color

77.5663, 92.4726, 40.9549



Protanopia

86.5904, 92.1294, 78.1847



Deuteranopia

88.4420, 91.9019, 90.9193



Tritanopia

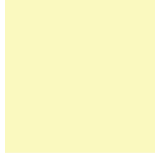
90.2455, 92.0166, 107.6123

Trichromacy



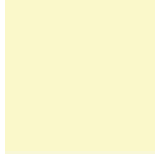
Original Color

77.5663, 92.4726, 40.9549



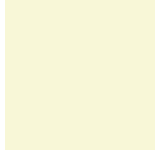
Protanomaly

82.7040, 91.8369, 62.6576



Deuteranomaly

83.6524, 91.7231, 69.1725



Tritanomaly

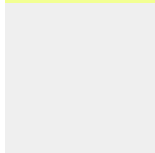
84.2379, 91.3843, 77.4891

Monochromacy



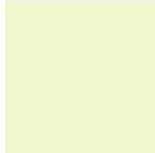
Original Color

77.5663, 92.4726, 40.9549



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.6070, 88.2379, 70.5935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5663, 92.4726, 40.9549 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 77.5663, 92.4726, 40.9549 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, 146) }
```


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

```
.border{ border-color:rgb(242, 255, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5663, 92.4726, 40.9549 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, 146) }
```

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

```
.background{ background-color: rgb(242,  
255, 146) }
```

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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