

Converting Colors

XYZ(99.6949, 141.1017,
46.9222)

Have a look what the booklet for
XYZ(99.6949, 141.1017, 46.9222)
contains.

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Color

**XYZ(74.7546, 91.0756,
38.4503)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFF8C
RGB	235, 255, 140
RGB Percent	92%, 100%, 55%
CMY	0.0784, 0.0000, 0.4510
CMYK	0.08, 0.00, 0.45, 0.00
HSL	70°, 100%, 77%
HSV	70°, 45%, 100%
XYZ	74.7546, 91.0756, 38.4503
YIQ	235.9100, 24.9950, -40.0050

Conversions

Conversions Part 2

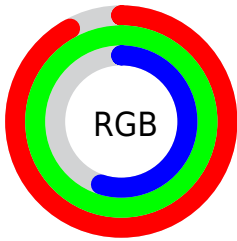
Format	Color
RYB	140, 255, 160
Decimal	15466380
CIELab	96.44, -23.13, 52.50
CIElCh	96, 57.367, 113.774
Yxy	91.0756, 0.3659, 0.4458
Android (android.graphics.Color)	4293656460 (0xFFEBFF8C)
YUV	235.9100, -47.2836, -0.7981
Hunter-Lab	95.4335, -27.1868, 42.9155

Details

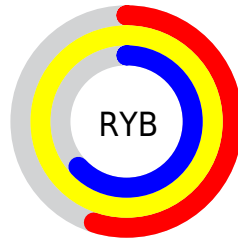
The XYZ color **74.7546, 91.0756, 38.4503** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9264, 33.4510, 98.8547**, and the grayscale version is **79.9962, 84.1623, 91.6527**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **40.0458, 50.4234, 16.6389** is the 20% darker color. If you saturate the color by 10%, you get **71.6408, 89.6631, 29.6010**, and if you desaturate by 10%, it is **78.3411, 92.6815, 49.5982**.

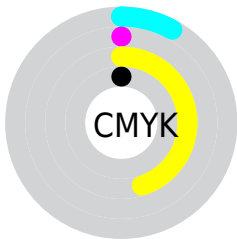
Distribution



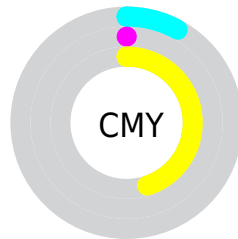
- Red (92%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (63%)



- Cyan (8%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.7546, 91.0756, 38.4503 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 74.7546, 91.0756, 38.4503 by changing the saturation by 10% instead.

 74.7546, 91.0756,
38.4503

 74.7546, 91.0756,
38.4503


466.0839,
531.5236, 354.9036

 55.7053, 68.8731,
26.0278


 124.9547,
148.8316, 74.0089

 40.2028, 50.6084,
16.6185


 156.8362,
185.1538, 97.9820

 27.8816, 35.8970,
9.8038


193.7259,
226.9514, 126.6425

 18.3764, 24.3547,
5.1652

235.9891,
274.6087, 160.4089

 11.3219, 15.5969,
2.2841

283.9911,
328.5102, 199.6996

 6.3527, 9.2394,
0.7223

338.0974,

 3.1034, 4.8977,

389.0403, 244.9333

0.0000

398.6732,
456.5832, 296.5285

■ 1.2087, 2.1873,
0.0000

■ 0.1132, 0.7131,
0.0000

■ 74.7546, 91.0756,
38.4503

■ 74.7546, 91.0756,
38.4503

■ 71.6408, 89.6631,
29.6010

■ 78.3411, 92.6815,
49.5982

■ 68.9682, 88.4311,
22.8858

■ 82.4274, 94.4915,
63.1864

■ 66.7023, 87.3661,
18.1245

■ 87.0394, 96.5161,
79.3494

■ 64.8027, 86.4516,
15.1054

■ 92.2008, 98.7648,
98.2109

■ 63.2195, 85.6679, 95.0500, 100.0000,
13.5677 108.9000

■ 62.5241, 85.3174,
13.1725

Harmonies

Analogous

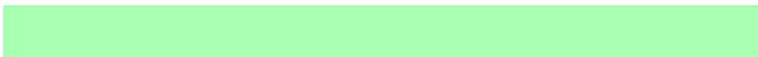
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9410, 91.0756, 34.8712



74.7546, 91.0756, 38.4503



64.0602, 91.0756, 55.7087

Triad

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



74.7546, 91.0756, 38.4503



69.6402, 91.0756, 188.4834



120.8587, 91.0756, 109.0220

Complementary

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



74.7546, 91.0756, 38.4503



41.9264, 33.4510, 98.8547

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.



113.8045, 91.0756, 160.8185



74.7546, 91.0756, 38.4503



83.2739, 91.0756, 214.9482

Square

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



74.7546, 91.0756, 38.4503



61.3715, 91.0756, 139.0574



99.5573, 91.0756, 203.5144



117.8519, 91.0756, 67.7416

Rectangle

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



74.7546, 91.0756, 38.4503



60.2775, 91.0756, 76.5455



99.5573, 91.0756, 203.5144



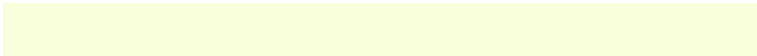
119.5604, 91.0756, 125.8539

Sweetspot

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



74.7548, 91.0757, 38.4516



87.5782, 96.7517, 81.2842



58.4011, 48.0081, 31.0006



18.5198, 20.6102, 16.5901



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.



74.7548, 91.0757, 38.4516



71.9602, 89.8089, 30.4644



58.9310, 82.9183, 37.7110



19.2330, 20.9215, 19.1689



32.7836, 44.6387, 6.8882



3.2699, 4.3864, 0.6743

Inverse Universe

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



41.9264, 33.4510, 98.8547



35.4731, 25.6971, 97.6981



55.9452, 40.6780, 99.5107



17.2975, 17.5296, 22.7218



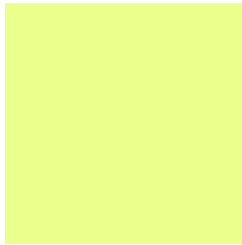
10.0671, 4.1003, 49.6954



1.0575, 0.4391, 4.8423

Previews

White Background



This preview shows how the XYZ color 74.7546, 91.0756, 38.4503 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 74.7546, 91.0756, 38.4503 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

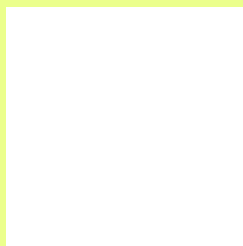
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.7546, 91.0756, 38.4503

Background



This preview shows how black text looks on a background with the XYZ color 74.7546, 91.0756, 38.4503.



This preview shows how white text looks on a background with the XYZ color 74.7546, 91.0756,

Color Blindness Simulation

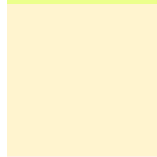
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



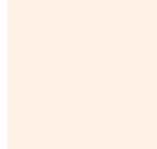
Original Color

74.7546, 91.0756, 38.4503



Protanopia

84.8532, 90.4664, 72.0210



Deuteranopia

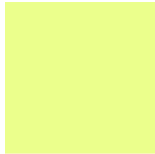
87.2751, 90.4774, 87.7269



Tritanopia

88.5135, 90.6807, 107.4457

Trichromacy



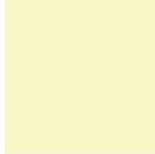
Original Color

74.7546, 91.0756, 38.4503



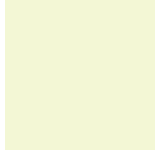
Protanomaly

80.8260, 90.5102, 58.0100



Deuteranomaly

82.0502, 90.5092, 65.9688



Tritanomaly

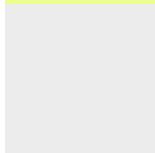
82.2332, 90.3803, 76.0618

Monochromacy



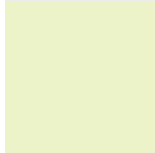
Original Color

74.7546, 91.0756, 38.4503



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.1853, 86.1511, 67.8191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7546, 91.0756, 38.4503 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(235, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 140)  
}
```

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(235, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 74.7546, 91.0756, 38.4503 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(235, 255, 140) }
```


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

```
.border{ border-color:rgb(235, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7546, 91.0756, 38.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 140) }
```

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

```
.background{ background-color: rgb(235,  
255, 140) }
```

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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