

Converting Colors

XYZ(79.8217, 100.0000,
40.0282)

Have a look what the booklet for
XYZ(79.8217, 100.0000, 40.0282)
contains.

XYZ(75.4187, 91.4180, 38.4814)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.4187, 91.4180,
38.4814)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFF8C
RGB	237, 255, 140
RGB Percent	93%, 100%, 55%
CMY	0.0706, 0.0000, 0.4510
CMYK	0.07, 0.00, 0.45, 0.00
HSL	69°, 100%, 77%
HSV	69°, 45%, 100%
XYZ	75.4187, 91.4180, 38.4814
YIQ	236.5080, 26.1870, -39.5810

Conversions

Conversions Part 2

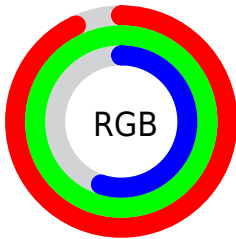
Format	Color
RYB	140, 255, 158
Decimal	15597452
CIELab	96.58, -22.37, 52.70
CIElCh	97, 57.254, 113.000
Yxy	91.4180, 0.3673, 0.4453
Android (android.graphics.Color)	4293787532 (0xFFEDFF8C)
YUV	236.5080, -47.5784, 0.4315
Hunter-Lab	95.6128, -26.5227, 43.0664

Details

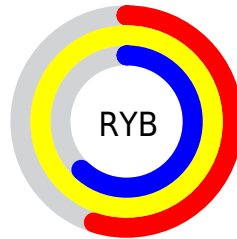
The XYZ color **75.4187, 91.4180, 38.4814** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.5298, 33.2466, 98.8361**, and the grayscale version is **80.4571, 84.6471, 92.1807**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **40.5048, 50.6600, 16.6604** is the 20% darker color. If you saturate the color by 10%, you get **72.4330, 90.0715, 29.6381**, and if you desaturate by 10%, it is **78.8701, 92.9542, 49.6230**.

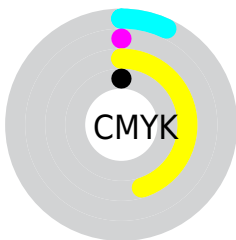
Distribution



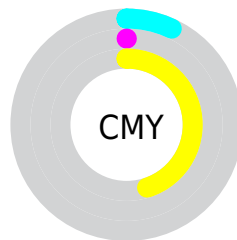
- Red (93%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (62%)



- Cyan (7%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4187, 91.4180, 38.4814 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 75.4187, 91.4180, 38.4814 by changing the saturation by 10% instead.


 75.4187, 91.4180,
38.4814


 75.4187, 91.4180,
38.4814


468.3305,
532.6328, 355.0405

 56.2514, 69.1573,
26.0518


 125.8896,
149.3065, 74.0570

 40.6423, 50.8398,
16.6363


 157.9239,
185.7031, 98.0401

 28.2261, 36.0812,
9.8163


194.9779,
227.5805, 126.7114

 18.6375, 24.4969,
5.1733

237.4169,
275.3231, 160.4895

 11.5111, 15.7026,
2.2888

285.6063,
329.3152, 199.7929

 6.4815, 9.3140,
0.7249

339.9115,

 3.1834, 4.9465,

389.9412, 245.0402

0.0000

400.6977,
457.5857, 296.6499

■ 1.2515, 2.2159,
0.0000

■ 0.1465, 0.7287,
0.0000

■ 75.4187, 91.4180,
38.4814

■ 75.4187, 91.4180,
38.4814

■ 72.4330, 90.0715,
29.6381

■ 78.8701, 92.9542,
49.6230

■ 69.8819, 88.9021,
22.9286

■ 82.8145, 94.6911,
63.2045

■ 67.7307, 87.8962,
18.1726

■ 87.2776, 96.6389,
79.3605

■ 65.9391, 87.0375,
15.1586

■ 92.2830, 98.8072,
98.2148

■ 64.4575, 86.3061, 95.0500, 100.0000,
13.6257 108.9000

■ 63.8095, 85.9800,
13.2327

Harmonies

Analogous

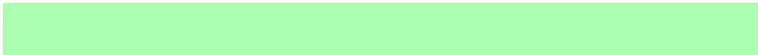
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6926, 91.4180, 35.2114



75.4187, 91.4180, 38.4814



64.5697, 91.4180, 55.3828

Triad

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



75.4187, 91.4180, 38.4814



69.6640, 91.4180, 187.7547



121.1304, 91.4180, 110.6643

Complementary

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



75.4187, 91.4180, 38.4814



41.5298, 33.2466, 98.8361

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.



113.8393, 91.4180, 162.5144



75.4187, 91.4180, 38.4814



83.1953, 91.4180, 215.0554

Square

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



75.4187, 91.4180, 38.4814



61.5430, 91.4180, 138.0727



99.4694, 91.4180, 204.6246



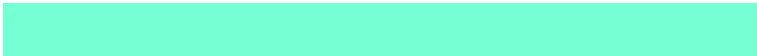
118.3866, 91.4180, 68.9373

Rectangle

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



75.4187, 91.4180, 38.4814



60.6724, 91.4180, 75.9427



99.4694, 91.4180, 204.6246



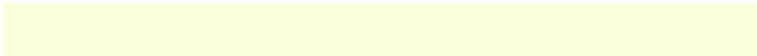
119.7447, 91.4180, 127.5765

Sweetspot

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



75.4189, 91.4181, 38.4826



87.7997, 96.8658, 81.2945



58.0736, 47.3531, 30.8914



18.5742, 20.6383, 16.5926



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

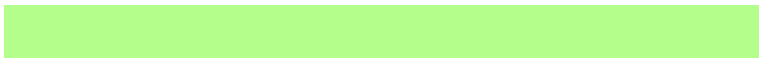
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4189, 91.4181, 38.4826



72.7387, 90.2103, 30.5008



59.3750, 83.1471, 37.7318



19.2655, 20.9383, 19.1704



33.4467, 44.9805, 6.9193



3.3284, 4.4166, 0.6771

Inverse Universe

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



41.5298, 33.2466, 98.8361



35.0694, 25.4890, 97.6793



55.3799, 40.3865, 99.4843



17.2677, 17.5142, 22.7204



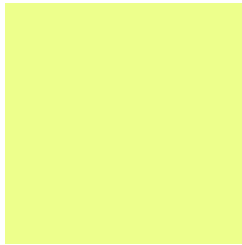
9.9651, 4.0477, 49.6906



1.0432, 0.4317, 4.8416

Previews

White Background



This preview shows how the XYZ color 75.4187, 91.4180, 38.4814 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 75.4187, 91.4180, 38.4814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

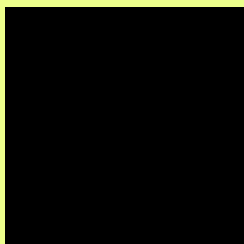
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.4187, 91.4180, 38.4814

Background



This preview shows how black text looks on a background with the XYZ color 75.4187, 91.4180, 38.4814.

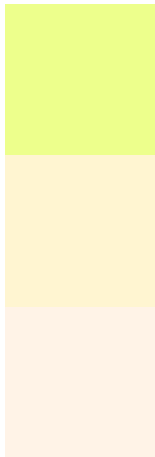


This preview shows how white text looks on a background with the XYZ color 75.4187, 91.4180,

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

75.4187, 91.4180, 38.4814

Protanopia

85.4010, 91.1683, 73.4177

Deuteranopia

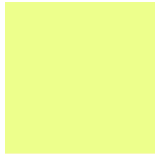
87.7144, 91.1307, 88.5682



Tritanopia

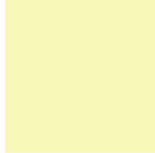
88.8691, 90.8640, 107.4623

Trichromacy



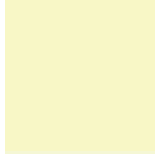
Original Color

75.4187, 91.4180, 38.4814



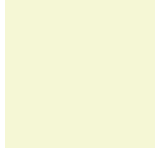
Protanomaly

81.2388, 91.1685, 58.6629



Deuteranomaly

82.1652, 90.5552, 66.5744



Tritanomaly

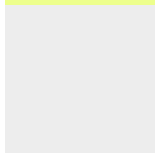
82.9272, 90.7381, 76.0943

Monochromacy



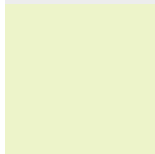
Original Color

75.4187, 91.4180, 38.4814



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

77.9364, 86.9702, 68.5563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4187, 91.4180, 38.4814 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(237, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 75.4187, 91.4180, 38.4814 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(237, 255, 140) }
```


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

```
.border{ border-color:rgb(237, 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(237, 255, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4187, 91.4180, 38.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 140) }
```

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

```
.background{ background-color: rgb(237,  
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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