

Converting Colors

XYZ(78.3105, 100.0000,
40.3928)

Have a look what the booklet for
XYZ(78.3105, 100.0000, 40.3928)
contains.

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Color

**XYZ(73.5227, 90.4320,
38.7794)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FF8D
RGB	231, 255, 141
RGB Percent	91%, 100%, 55%
CMY	0.0941, 0.0000, 0.4470
CMYK	0.09, 0.00, 0.45, 0.00
HSL	73°, 100%, 78%
HSV	73°, 45%, 100%
XYZ	73.5227, 90.4320, 38.7794
YIQ	234.8280, 22.2900, -40.5420

Conversions

Conversions Part 2

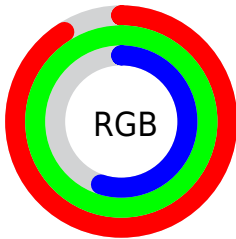
Format	Color
RYB	141, 255, 165
Decimal	15204237
CIELab	96.18, -24.53, 51.64
CIElCh	96, 57.170, 115.411
Yxy	90.4320, 0.3627, 0.4461
Android (android.graphics.Color)	4293394317 (0xFFE7FF8D)
YUV	234.8280, -46.2572, -3.3572
Hunter-Lab	95.0957, -28.4113, 42.3890

Details

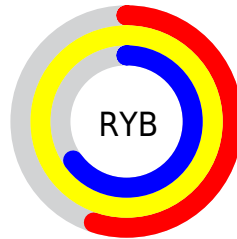
The XYZ color **73.5227, 90.4320, 38.7794** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.0931, 34.2704, 98.9513**, and the grayscale version is **79.1629, 83.2856, 90.6980**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **39.4111, 50.0914, 16.8239** is the 20% darker color. If you saturate the color by 10%, you get **70.1321, 88.8786, 29.8309**, and if you desaturate by 10%, it is **77.4038, 92.1877, 50.0333**.

Distribution



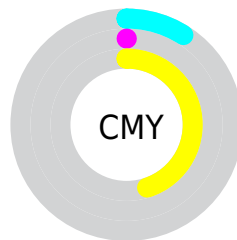
- Red (91%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (65%)



- Cyan (9%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.5227, 90.4320, 38.7794 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 73.5227, 90.4320, 38.7794 by changing the saturation by 10% instead.


 73.5227, 90.4320,
38.7794

 73.5227, 90.4320,
38.7794


461.9002,
529.4351, 356.3496

 54.6934, 68.3390,
26.2816


 123.2181,
147.9383, 74.5178

 39.3891, 50.1736,
16.8068


 154.8149,
184.1204, 98.5956

 27.2447, 35.5513,
9.9363


191.3982,
225.7677, 127.3704

 17.8946, 24.0879,
5.2517

233.3334,
273.2645, 161.2608

 10.9736, 15.3988,
2.3344

280.9859,
326.9952, 200.6854

 6.1162, 9.0998,
0.7504

334.7209,

 2.9572, 4.8063,

387.3443, 246.0627

0.0000

394.9039,
454.6962, 297.8113

■ 1.1312, 2.1341,
0.0000

■ 0.0510, 0.6837,
0.0000

■ 73.5227, 90.4320,
38.7794

■ 73.5227, 90.4320,
38.7794

■ 70.1321, 88.8786,
29.8309

■ 77.4038, 92.1877,
50.0333

■ 67.2004, 87.5149,
23.0238

■ 81.8026, 94.1567,
63.7337

■ 64.6930, 86.3270,
18.1790

■ 86.7450, 96.3494,
80.0147

■ 62.5697, 85.2986,
15.0862

■ 92.2550, 98.7754,
98.9998

■ 60.7808, 84.4099, 95.0500, 100.0000,
13.4873 108.9000

■ 59.9319, 83.9811,
13.0512

Harmonies

Analogous

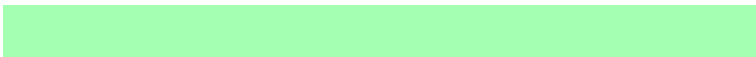
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4155, 90.4320, 34.5545



73.5227, 90.4320, 38.7794



63.2173, 90.4320, 56.7489

Triad

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



73.5227, 90.4320, 38.7794



69.7806, 90.4320, 189.2592



120.0662, 90.4320, 105.6181

Complementary

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



73.5227, 90.4320, 38.7794



43.0931, 34.2704, 98.9513

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.



113.5747, 90.4320, 156.8171



73.5227, 90.4320, 38.7794



83.5364, 90.4320, 213.6657

Square

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



73.5227, 90.4320, 38.7794



61.2504, 90.4320, 140.8865



99.7106, 90.4320, 200.2664



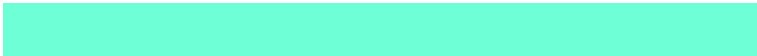
116.5376, 90.4320, 65.5486

Rectangle

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



73.5227, 90.4320, 38.7794



59.6948, 90.4320, 78.0679



99.7106, 90.4320, 200.2664



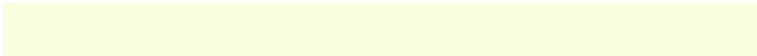
118.9633, 90.4320, 122.1374

Sweetspot

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



73.5229, 90.4321, 38.7807



87.6435, 96.7462, 83.0564



59.2881, 49.6635, 31.6618



18.5110, 20.5980, 16.9377



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

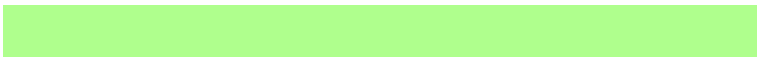
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.5229, 90.4321, 38.7807



70.3556, 88.9817, 30.3893



58.2926, 82.5806, 38.0679



19.1648, 20.8864, 19.1657



31.4452, 43.9487, 6.8256



3.1510, 4.3251, 0.6688

Inverse Universe

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



43.0931, 34.2704, 98.9513



36.3521, 26.1502, 97.7393



57.3336, 41.6116, 99.6178



17.3603, 17.5620, 22.7248



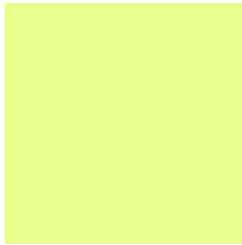
10.3169, 4.2290, 49.7071



1.0906, 0.4561, 4.8438

Previews

White Background



This preview shows how the XYZ color 73.5227, 90.4320, 38.7794 looks on a white background.

Color Contrast Check

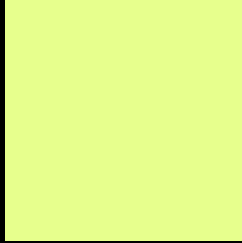
Large Text (above 18pt) WCAG AA × Fail

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 73.5227, 90.4320, 38.7794 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

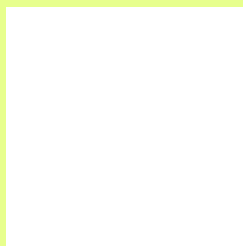
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.5227, 90.4320, 38.7794

Background



This preview shows how black text looks on a background with the XYZ color 73.5227, 90.4320, 38.7794.



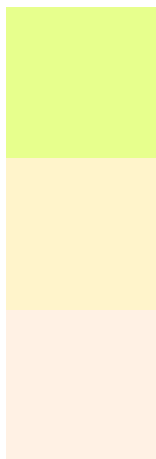
This preview shows how white text looks on a background with the XYZ color 73.5227, 90.4320,

38.7794.

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

73.5227, 90.4320, 38.7794

Protanopia

84.3702, 90.2732, 69.4776

Deuteranopia

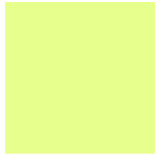
86.6989, 89.7720, 86.1570



Tritanopia

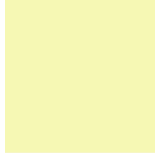
87.4583, 90.1367, 107.3963

Trichromacy



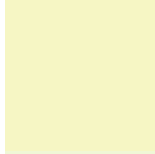
Original Color

73.5227, 90.4320, 38.7794



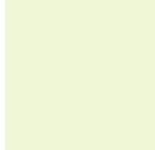
Protanomaly

79.8117, 90.0229, 56.3497



Deuteranomaly

80.9256, 89.4899, 65.2326



Tritanomaly

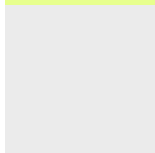
81.3335, 89.9018, 76.6844

Monochromacy



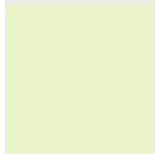
Original Color

73.5227, 90.4320, 38.7794



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.2264, 85.2137, 67.6887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.5227, 90.4320, 38.7794 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(231, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 141)  
}
```

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(231, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 73.5227, 90.4320, 38.7794 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(231, 255, 141) }
```


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

```
.border{ border-color:rgb(231, 255, 141) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 73.5227, 90.4320, 38.7794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 141) }
```

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

```
.background{ background-color: rgb(231,  
255, 141) }
```

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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