

Converting Colors

XYZ(75.7947, 91.6032, 38.8878)

Have a look what the booklet for
XYZ(75.7947, 91.6032, 38.8878)
contains.

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Color

**XYZ(75.8276, 91.6202,
38.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFF8D
RGB	238, 255, 141
RGB Percent	93%, 100%, 55%
CMY	0.0667, 0.0000, 0.4470
CMYK	0.07, 0.00, 0.45, 0.00
HSL	69°, 100%, 78%
HSV	69°, 45%, 100%
XYZ	75.8276, 91.6202, 38.8872
YIQ	236.9210, 26.4620, -39.0580

Conversions

Conversions Part 2

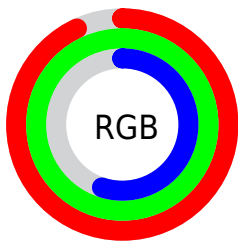
Format	Color
RYB	141, 255, 158
Decimal	15662989
CIELab	96.66, -21.89, 52.35
CIELCh	97, 56.744, 112.695
Yxy	91.6202, 0.3675, 0.4440
Android (android.graphics.Color)	4293853069 (0xFFEEFF8D)
YUV	236.9210, -47.2891, 0.9463
Hunter-Lab	95.7184, -26.1006, 42.9154

Details

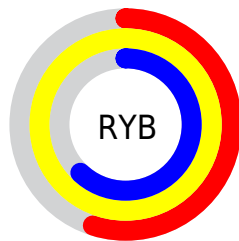
The XYZ color **75.8276, 91.6202, 38.8872** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.6765, 33.5401, 98.8850**, and the grayscale version is **80.7729, 84.9794, 92.5425**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **40.7779, 50.7960, 16.8879** is the 20% darker color. If you saturate the color by 10%, you get **72.8800, 90.2952, 29.9594**, and if you desaturate by 10%, it is **79.2394, 93.1340, 50.1191**.

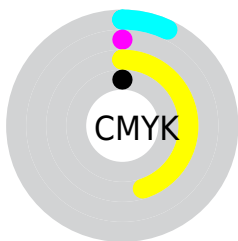
Distribution



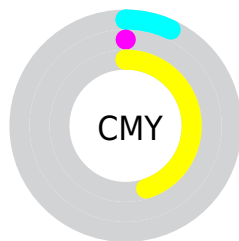
- Red (93%)
- Green (100%)
- Blue (55%)



- 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 75.8276, 91.6202, 38.8872 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 75.8276, 91.6202, 38.8872 by changing the saturation by 10% instead.


 75.8276, 91.6202,
38.8872

 75.8276, 91.6202,
38.8872


469.7108,
533.2873, 356.8223

 56.5877, 69.3252,
26.3648


 126.4648,
149.5869, 74.6844

 40.9132, 50.9766,
16.8686


 158.5929,
186.0274, 98.7963

 28.4386, 36.1900,
9.9799


195.7477,
227.9518, 127.6085

 18.7987, 24.5810,
5.2802

238.2947,
275.7447, 161.5395

 11.6281, 15.7651,
2.3510

286.5991,
329.7902, 201.0078

 6.5613, 9.3581,
0.7596

341.0264,

 3.2332, 4.9755,

390.4729, 246.4321

0.0000

401.9418,
458.1771, 298.2307

■ 1.2782, 2.2329,
0.0000

■ 0.1668, 0.7378,
0.0000

■ 75.8276, 91.6202,
38.8872

■ 75.8276, 91.6202,
38.8872

■ 72.8800, 90.2952,
29.9594

■ 79.2394, 93.1340,
50.1191

■ 70.3655, 89.1466,
23.1719

■ 83.1425, 94.8475,
63.7963

■ 68.2497, 88.1605,
18.3454

■ 87.5625, 96.7708,
80.0529

■ 66.4927, 87.3210,
15.2698

■ 92.5230, 98.9135,
99.0122

■ 65.0452, 86.6083, 95.0500, 100.0000,
13.6868 108.9000

■ 64.3671, 86.2675,
13.2588

Harmonies

Analogous

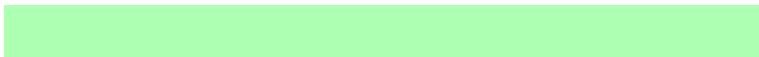
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0218, 91.6202, 35.7426



75.8276, 91.6202, 38.8872



64.9880, 91.6202, 55.6009

Triad

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



75.8276, 91.6202, 38.8872



69.8607, 91.6202, 186.7075



121.0055, 91.6202, 111.2935

Complementary

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



75.8276, 91.6202, 38.8872



41.6765, 33.5401, 98.8850

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.



113.6900, 91.6202, 162.6780



75.8276, 91.6202, 38.8872



83.2580, 91.6202, 214.0264

Square

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



75.8276, 91.6202, 38.8872



61.8464, 91.6202, 137.4335



99.3988, 91.6202, 204.1045



118.3900, 91.6202, 69.6873

Rectangle

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



75.8276, 91.6202, 38.8872



61.0683, 91.6202, 75.9474



99.3988, 91.6202, 204.1045



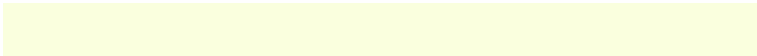
119.5989, 91.6202, 128.0898

Sweetspot

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



75.8278, 91.6203, 38.8885



88.3693, 97.1203, 83.0904



57.9705, 47.0282, 31.2225



18.6917, 20.6911, 16.9461



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

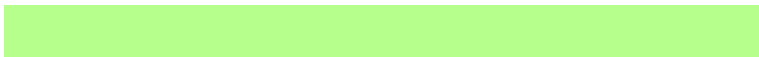
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8278, 91.6203, 38.8885



73.0732, 90.3827, 30.5165



60.0493, 83.4862, 38.1500



19.2794, 20.9454, 19.1711



33.7343, 45.1287, 6.9327



3.3537, 4.4297, 0.6783

Inverse Universe

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



41.6765, 33.5401, 98.8850



34.9002, 25.4018, 97.6713



55.0743, 40.4469, 99.5120



17.2551, 17.5077, 22.7198



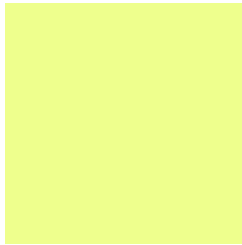
9.9248, 4.0269, 49.6888



1.0373, 0.4287, 4.8413

Previews

White Background



This preview shows how the XYZ color 75.8276, 91.6202, 38.8872 looks on a white background.

Color Contrast Check

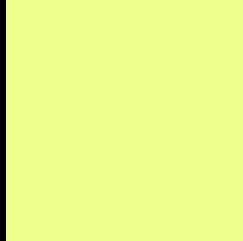
Large Text (above 18pt) WCAG AA × Fail

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 75.8276, 91.6202, 38.8872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

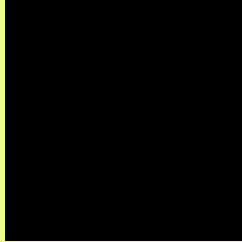
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.8276, 91.6202, 38.8872

Background



This preview shows how black text looks on a background with the XYZ color 75.8276, 91.6202, 38.8872.

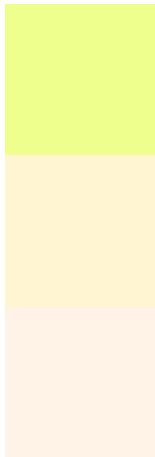


This preview shows how white text looks on a background with the XYZ color 75.8276, 91.6202,

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

75.8276, 91.6202, 38.8872

Protanopia

85.5253, 91.2180, 74.0719

Deuteranopia

87.8561, 91.1874, 89.3143



Tritanopia

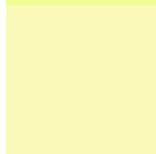
89.5249, 91.6452, 107.5786

Trichromacy



Original Color

75.8276, 91.6202, 38.8872



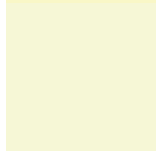
Protanomaly

81.6996, 91.3939, 59.2337



Deuteranomaly

82.6365, 90.7848, 67.2006



Tritanomaly

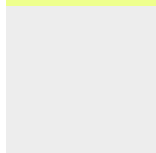
83.4044, 90.9694, 76.7813

Monochromacy



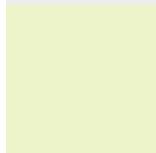
Original Color

75.8276, 91.6202, 38.8872



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 75.8276, 91.6202, 38.8872 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(238, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 75.8276, 91.6202, 38.8872 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(238, 255, 141) }
```


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

```
.border{ border-color:rgb(238, 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(238, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8276, 91.6202, 38.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 141) }
```

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

```
.background{ background-color: rgb(238,  
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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