

Converting Colors

XYZ(79.1221, 86.9999, 39.4119)

Have a look what the booklet for
XYZ(79.1221, 86.9999, 39.4119)
contains.

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Color

**XYZ(77.8061, 86.2149,
39.3284)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF191
RGB	255, 241, 145
RGB Percent	100%, 95%, 57%
CMY	0.0000, 0.0549, 0.4314
CMYK	0.00, 0.05, 0.43, 0.00
HSL	52°, 100%, 78%
HSV	52°, 43%, 100%
XYZ	77.8061, 86.2149, 39.3284
YIQ	234.2420, 39.1600, -26.8880

Conversions

Conversions Part 2

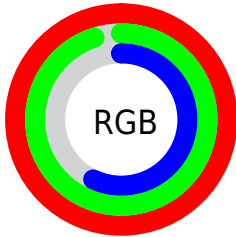
Format	Color
R _Y B	161, 255, 145
Decimal	16773521
CIE Lab	94.40, -8.15, 47.92
CIE LCh	94, 48.607, 99.653
Yxy	86.2149, 0.3826, 0.4240
Android (android.graphics.Color)	4294963601 (0xFFFFFFFF191)
YUV	234.2420, -43.9963, 18.2048
Hunter-Lab	92.8520, -12.9154, 39.8835

Details

The XYZ color **77.8061, 86.2149, 39.3284** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.1249, 38.0349, 99.7288**, and the grayscale version is **78.6941, 82.7923, 90.1609**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **42.3067, 47.3409, 17.0331** is the 20% darker color. If you saturate the color by 10%, you get **75.1054, 83.6149, 29.7923**, and if you desaturate by 10%, it is **80.9694, 89.0336, 51.1977**.

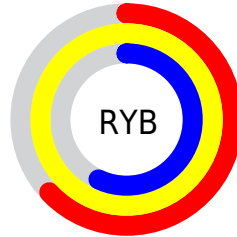
Distribution



Red (100%)

Green (95%)

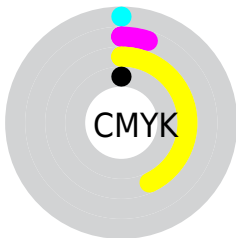
Blue (57%)



Red (63%)

Yellow (100%)

Blue (57%)

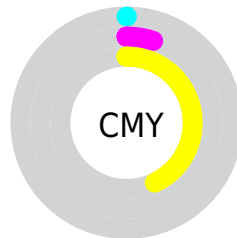


Cyan (0%)

Magenta (5%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8061, 86.2149, 39.3284 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 77.8061, 86.2149, 39.3284 by changing the saturation by 10% instead.


 77.8061, 86.2149,
39.3284


 77.8061, 86.2149,
39.3284


476.3580,
515.6395, 358.7523

 58.2169, 64.8457,
26.7055


 129.2436,
142.0693, 75.3656

 42.2270, 47.3360,
17.1217


 161.8226,
177.3234, 99.6170

 29.4710, 33.3013,
10.1584

199.4622,
217.9744, 128.5816

 19.5835, 22.3574,
5.3971

242.5279,
264.4070, 162.6780

 12.1991, 14.1197,
2.4193

291.3850,
317.0054, 202.3247

 6.9526, 8.2040,
0.7969

346.3988,

 3.4785, 4.2258,

376.1540, 247.9403

0.0000

407.9347,
442.2372, 299.9433

■ 1.4116, 1.8006,
0.0000

■ 0.2645, 0.4876,
0.0000

■ 77.8061, 86.2149,
39.3284

■ 77.8061, 86.2149,
39.3284

■ 75.1054, 83.6149,
29.7923

■ 80.9694, 89.0336,
51.1977

■ 72.8311, 81.2096,
22.4268

■ 84.6162, 92.0700,
65.5377

■ 70.9516, 78.9892,
17.0566

■ 88.7737, 95.3383,
82.4816

■ 69.4279, 76.9381,
13.4771

■ 93.4650, 98.8480,
102.1513

■ 68.2127, 75.0373,
11.4396

95.0499, 99.9999,
108.9000

■ 67.5102, 73.8006,
10.6868

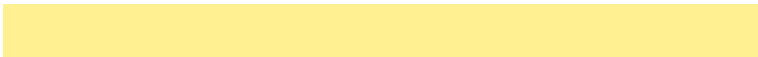
Harmonies

Analogous

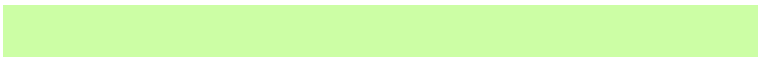
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9893, 86.2149, 41.3029



77.8061, 86.2149, 39.3284



66.9431, 86.2149, 48.6782

Triad

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



77.8061, 86.2149, 39.3284



64.0926, 86.2149, 147.6466



107.8141, 86.2149, 121.1638

Complementary

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



77.8061, 86.2149, 39.3284



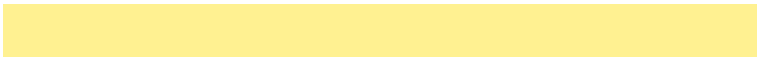
42.1249, 38.0349, 99.7288

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.



99.0350, 86.2149, 160.8391



77.8061, 86.2149, 39.3284



73.5202, 86.2149, 178.7294

Square

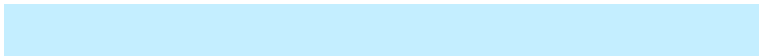
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8061, 86.2149, 39.3284



59.5995, 86.2149, 106.4549



86.2275, 86.2149, 184.1116



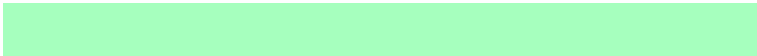
109.2751, 86.2149, 82.3244

Rectangle

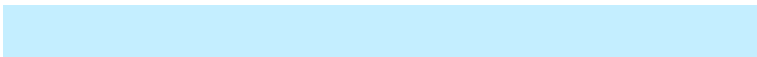
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8061, 86.2149, 39.3284



62.1295, 86.2149, 62.0263



86.2275, 86.2149, 184.1116



105.5799, 86.2149, 135.0953

Sweetspot

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



77.8082, 86.2189, 39.3302



88.8341, 95.3847, 82.7309



57.6820, 44.0381, 38.5662



18.8077, 20.2573, 16.8563



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

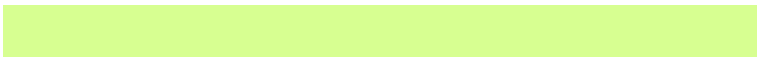
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8082, 86.2189, 39.3302



75.3905, 83.9007, 30.7635



68.7978, 87.9610, 40.1414



19.3525, 20.6731, 19.1147



35.3529, 38.7171, 5.6098



3.4949, 3.8752, 0.5638

Inverse Universe

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



42.1249, 38.0349, 99.7288



35.4044, 29.9299, 98.5188



48.2643, 37.8276, 99.3652



17.1892, 17.7500, 22.7701



9.7650, 4.4395, 49.7768



1.0063, 0.5434, 4.8651

Previews

White Background



This preview shows how the XYZ color 77.8061, 86.2149, 39.3284 looks on a white background.

Color Contrast Check

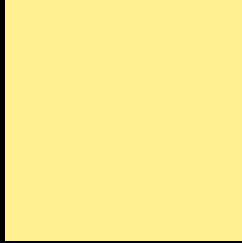
Large Text (above 18pt) WCAG AA × Fail

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 77.8061, 86.2149, 39.3284 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 77.8061, 86.2149, 39.3284

Background



This preview shows how black text looks on a background with the XYZ color 77.8061, 86.2149, 39.3284.

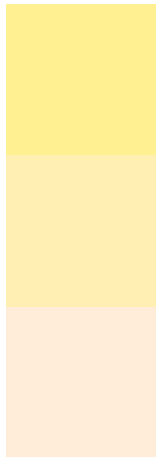


This preview shows how white text looks on a background with the XYZ color 77.8061, 86.2149,

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

77.8061, 86.2149, 39.3284

Protanopia

80.1424, 86.2074, 54.5352

Deuteranopia

83.7598, 86.2607, 77.8810



Tritanopia

86.7080, 86.0695, 97.6310

Trichromacy



Original Color

77.8061, 86.2149, 39.3284



Protanomaly

79.2830, 86.3334, 48.5617



Deuteranomaly

81.2185, 86.1707, 61.6421



Tritanomaly

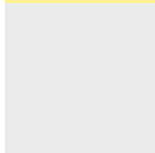
82.6206, 85.8050, 71.8820

Monochromacy



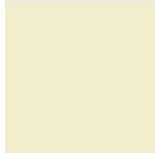
Original Color

77.8061, 86.2149, 39.3284



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

77.5628, 83.7099, 67.9467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8061, 86.2149, 39.3284 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(255, 241, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 145)  
}
```

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(255, 241, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 145) }
```

Border

The CSS property to change the border of an element to XYZ 77.8061, 86.2149, 39.3284 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(255, 241, 145) }
```


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

```
.border{ border-color:rgb(255, 241, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8061, 86.2149, 39.3284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 145) }
```

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

```
.background{ background-color: rgb(255,  
241, 145) }
```

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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