

Converting Colors

XYZ(83.5897, 104.4366,
36.3755)

Have a look what the booklet for
XYZ(83.5897, 104.4366, 36.3755)
contains.

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Color

**XYZ(77.7285, 92.6978,
34.5646)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FF81
RGB	246, 255, 129
RGB Percent	96%, 100%, 51%
CMY	0.0353, 0.0000, 0.4941
CMYK	0.04, 0.00, 0.49, 0.00
HSL	64°, 100%, 75%
HSV	64°, 49%, 100%
XYZ	77.7285, 92.6978, 34.5646
YIQ	237.9450, 35.0820, -41.0940

Conversions

Conversions Part 2

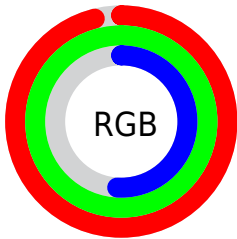
Format	Color
R_{YB}	129, 255, 138
Decimal	16187265
CIE _{Lab}	97.10, -19.95, 58.57
CIE _{LCh}	97, 61.878, 108.805
Yxy	92.6978, 0.3792, 0.4522
Android (android.graphics.Color)	4294377345 (0xFFFF6FF81)
YUV	237.9450, -53.7099, 7.0642
Hunter-Lab	96.2797, -24.3829, 46.1106

Details

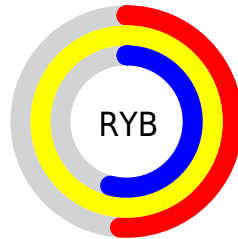
The XYZ color **77.7285, 92.6978, 34.5646** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.3826, 28.3250, 98.1574**, and the grayscale version is **81.6082, 85.8582, 93.4996**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **42.2031, 51.5875, 14.3897** is the 20% darker color. If you saturate the color by 10%, you get **75.6037, 91.7744, 26.6944**, and if you desaturate by 10%, it is **80.2828, 93.7937, 44.6648**.

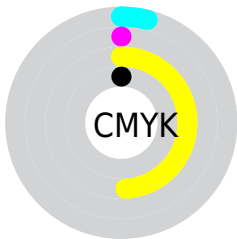
Distribution



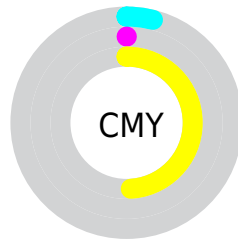
- Red (96%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (54%)



- Cyan (4%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7285, 92.6978, 34.5646 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 77.7285, 92.6978, 34.5646 by changing the saturation by 10% instead.

77.7285, 92.6978,
34.5646

77.7285, 92.6978,
34.5646

476.0982,
536.7682, 337.4880

58.1530, 70.2204,
23.0468

129.1347,
151.0802, 67.9546

42.1754, 51.7062,
14.4225

161.6961,
187.7539, 90.6639

29.4304, 36.7709,
8.2730

199.3169,
229.9284, 117.9408

19.5525, 25.0302,
4.1798

242.3623,
277.9883, 150.2038

12.1766, 16.0995,
1.7245

291.1978,
332.3178, 187.8715

6.9371, 9.5946,
0.3775

346.1887,

3.4688, 5.1310,

393.3013, 231.3624

0.0000

407.7004,
461.3233, 281.0951

■ 1.4062, 2.3243,
0.0000

■ 0.2607, 0.7865,
0.0000

■ 77.7285, 92.6978,
34.5646

■ 77.7285, 92.6978,
34.5646

■ 75.6037, 91.7744,
26.6944

■ 80.2828, 93.7937,
44.6648

■ 73.8758, 91.0105,
20.8815

■ 83.2950, 95.0735,
57.1428

■ 72.5084, 90.3916,
16.9343

■ 86.7915, 96.5477,
72.1379

■ 71.4579, 89.9001,
14.6233

■ 90.7965, 98.2261,
89.7779

■ 70.6573, 89.5093, 95.0500, 100.0000,
13.5962 108.9000

■ 70.6132, 89.4875,
13.5511

Harmonies

Analogous

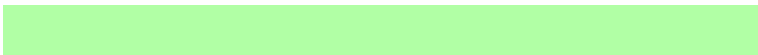
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.7816, 92.6978, 32.9740



77.7285, 92.6978, 34.5646



65.1964, 92.6978, 49.9552

Triad

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



77.7285, 92.6978, 34.5646



67.8064, 92.6978, 191.8664



125.2843, 92.6978, 120.7584

Complementary

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



77.7285, 92.6978, 34.5646



36.3826, 28.3250, 98.1574

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.



115.8386, 92.6978, 178.3587



77.7285, 92.6978, 34.5646



81.7524, 92.6978, 227.5664

Square

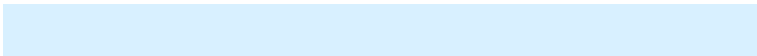
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7285, 92.6978, 34.5646



60.0117, 92.6978, 135.1798



99.3694, 92.6978, 221.9382



123.8326, 92.6978, 73.0204

Rectangle

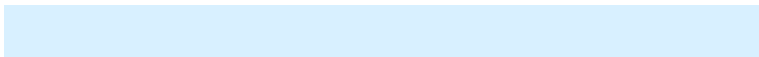
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7285, 92.6978, 34.5646



60.3829, 92.6978, 70.0279



99.3694, 92.6978, 221.9382



123.2331, 92.6978, 139.8064

Sweetspot

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



77.7286, 92.6979, 34.5658



88.4938, 97.2622, 79.5846



54.2058, 40.8513, 25.7982



18.7645, 20.7439, 16.2586



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

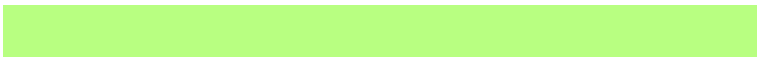
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7286, 92.6979, 34.5658



75.6828, 91.8091, 26.9757



59.3946, 83.2463, 33.7078



19.4256, 21.0208, 19.1779



36.9512, 46.7871, 7.0833



3.6346, 4.5745, 0.6914

Inverse Universe

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



36.3826, 28.3250, 98.1574



30.1652, 20.8967, 97.0513



49.8275, 35.2562, 98.7867



17.1231, 17.4397, 22.7137



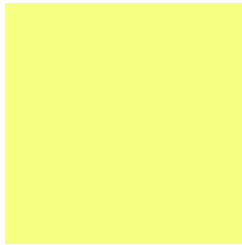
9.6074, 3.8633, 49.6739



0.9753, 0.3967, 4.8384

Previews

White Background



This preview shows how the XYZ color 77.7285, 92.6978, 34.5646 looks on a white background.

Color Contrast Check

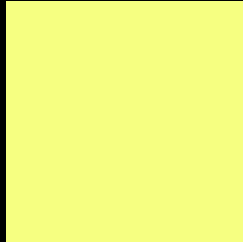
Large Text (above 18pt) WCAG AA × Fail

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 77.7285, 92.6978, 34.5646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

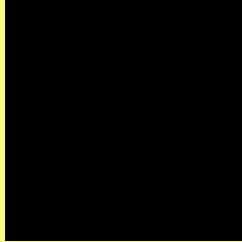
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7285, 92.6978, 34.5646

Background



This preview shows how black text looks on a background with the XYZ color 77.7285, 92.6978, 34.5646.



This preview shows how white text looks on a background with the XYZ color 77.7285, 92.6978,

Color Blindness Simulation

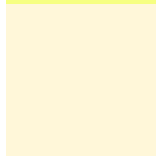
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



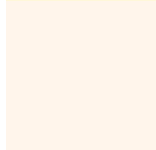
Original Color

77.7285, 92.6978, 34.5646



Protanopia

87.0251, 92.7913, 78.9694



Deuteranopia

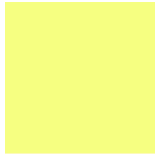
88.8878, 92.5630, 91.7788



Tritanopia

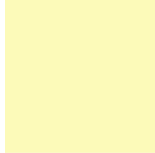
91.1800, 92.5169, 106.8178

Trichromacy



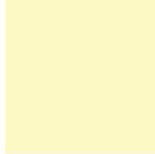
Original Color

77.7285, 92.6978, 34.5646



Protanomaly

83.0874, 92.5694, 59.3875



Deuteranomaly

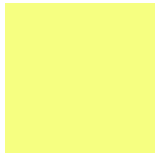
83.9844, 92.4323, 65.6393



Tritanomaly

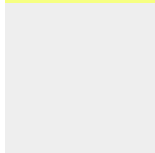
84.9143, 91.8204, 73.5693

Monochromacy



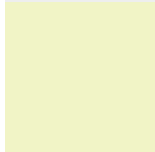
Original Color

77.7285, 92.6978, 34.5646



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8194, 87.4794, 66.1571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7285, 92.6978, 34.5646 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(246, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 129)  
}
```

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(246, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 129) }
```

Border

The CSS property to change the border of an element to XYZ 77.7285, 92.6978, 34.5646 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(246, 255, 129) }
```


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

```
.border{ border-color:rgb(246, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 255, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 255, 129); box-shadow:4px 4px 4px 4px rgb(246, 255, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7285, 92.6978, 34.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 129) }
```

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

```
.background{ background-color: rgb(246,  
255, 129) }
```

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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