

Converting Colors

XYZ(75.8359, 100.0000,
36.3213)

Have a look what the booklet for
XYZ(75.8359, 100.0000, 36.3213)
contains.

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Color

**XYZ(70.2207, 88.8197,
34.5620)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF82
RGB	223, 255, 130
RGB Percent	87%, 100%, 51%
CMY	0.1255, 0.0000, 0.4902
CMYK	0.13, 0.00, 0.49, 0.00
HSL	75°, 100%, 75%
HSV	75°, 49%, 100%
XYZ	70.2207, 88.8197, 34.5620
YIQ	231.1820, 21.0530, -45.6590

Conversions

Conversions Part 2

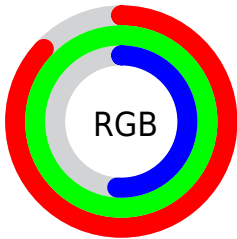
Format	Color
RYB	130, 255, 162
Decimal	14679938
CIELab	95.51, -28.62, 55.82
CIELCh	96, 62.728, 117.143
Yxy	88.8197, 0.3627, 0.4588
Android (android.graphics.Color)	4292870018 (0xFFDFFF82)
YUV	231.1820, -49.8827, -7.1756
Hunter-Lab	94.2442, -31.9283, 44.2276

Details

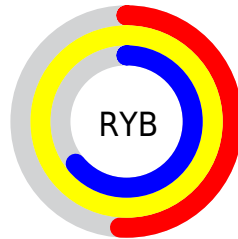
The XYZ color **70.2207, 88.8197, 34.5620** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.9341, 30.8680, 98.4084**, and the grayscale version is **76.4395, 80.4203, 87.5777**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **37.2245, 49.0170, 14.3368** is the 20% darker color. If you saturate the color by 10%, you get **66.7428, 87.2006, 26.5449**, and if you desaturate by 10%, it is **74.2007, 90.6485, 44.8186**.

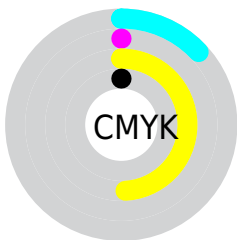
Distribution



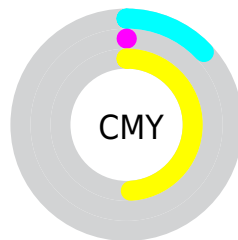
- Red (87%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (64%)



- Cyan (13%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2207, 88.8197, 34.5620 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 70.2207, 88.8197, 34.5620 by changing the saturation by 10% instead.

70.2207, 88.8197,
34.5620

70.2207, 88.8197,
34.5620

450.5789,
524.1839, 337.4761

51.9867, 67.0021,
23.0448

118.5480,
145.6978, 67.9505

37.2187, 49.0864,
14.4210

149.3720,
181.5271, 90.6590

25.5513, 34.6880,
8.2720

185.1234,
222.7959, 117.9349

16.6192, 23.4226,
4.1792

226.1676,
269.8883, 150.1969

10.0570, 14.9059,
1.7242

272.8699,
323.1890, 187.8635

5.4993, 8.7534,
0.3772

325.5956,

2.5808, 4.5807,

383.0822, 231.3532

0.0000

384.7102,
449.9524, 281.0845

■ 0.9362, 2.0034,
0.0000

■ 0.0000, 0.6094,
0.0000

■ 70.2207, 88.8197,
34.5620

■ 70.2207, 88.8197,
34.5620

■ 66.7428, 87.2006,
26.5449

■ 74.2007, 90.6485,
44.8186

■ 63.7337, 85.7779,
20.5955

■ 78.7116, 92.6988,
57.4621

■ 61.1561, 84.5366,
16.5231

■ 83.7808, 94.9816,
72.6313

■ 58.9660, 83.4589,
14.1002

■ 89.4331, 97.5069,
90.4536

■ 57.0987, 82.5189, 95.0500, 100.0000,
12.9902 108.9000

■ 56.9248, 82.4309,
12.9105

Harmonies

Analogous

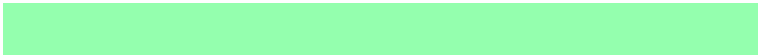
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0787, 88.8197, 29.6265



70.2207, 88.8197, 34.5620



59.5869, 88.8197, 53.9053

Triad

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



70.2207, 88.8197, 34.5620



67.7270, 88.8197, 200.0179



121.9239, 88.8197, 101.5049

Complementary

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



70.2207, 88.8197, 34.5620



40.9341, 30.8680, 98.4084

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.



115.3424, 88.8197, 157.6976



70.2207, 88.8197, 34.5620



82.7837, 88.8197, 225.4147

Square

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



70.2207, 88.8197, 34.5620



58.2904, 88.8197, 146.6448



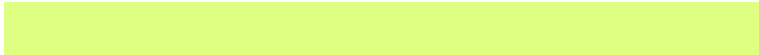
100.4160, 88.8197, 207.7752



117.3828, 88.8197, 59.6318

Rectangle

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



70.2207, 88.8197, 34.5620



56.1215, 88.8197, 77.1374



100.4160, 88.8197, 207.7752



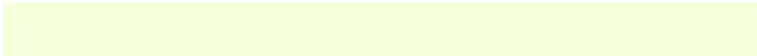
120.9203, 88.8197, 119.3404

Sweetspot

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



70.2209, 88.8198, 34.5632



85.9806, 95.9666, 79.4670



58.0586, 48.4499, 27.4121



18.1538, 20.4291, 16.2301



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

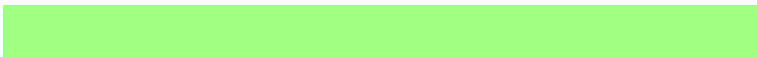
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2209, 88.8198, 34.5632



66.7487, 87.2034, 26.5576



54.5384, 80.7351, 33.8293



19.0806, 20.8430, 19.1618



29.8903, 43.1471, 6.7528



3.0115, 4.2533, 0.6622

Inverse Universe

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



40.9341, 30.8680, 98.4084



34.3951, 23.0773, 97.2493



56.6964, 38.9937, 99.1461



17.4388, 17.6024, 22.7284



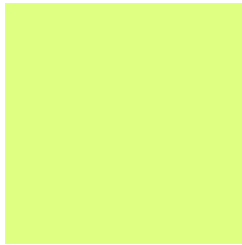
10.6963, 4.4246, 49.7249



1.1375, 0.4803, 4.8460

Previews

White Background



This preview shows how the XYZ color 70.2207, 88.8197, 34.5620 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 70.2207, 88.8197, 34.5620 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

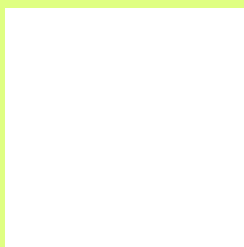
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2207, 88.8197, 34.5620

Background



This preview shows how black text looks on a background with the XYZ color 70.2207, 88.8197, 34.5620.

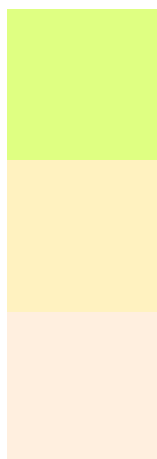


This preview shows how white text looks on a background with the XYZ color 70.2207, 88.8197,

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

70.2207, 88.8197, 34.5620

Protanopia

82.5066, 88.5700, 62.6163

Deuteranopia

85.4258, 88.3207, 82.3572

Tritanopia

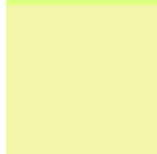
85.4405, 88.6559, 107.2168

Trichromacy



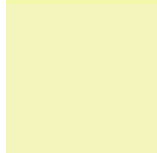
Original Color

70.2207, 88.8197, 34.5620



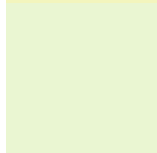
Protanomaly

77.3843, 88.4408, 50.5283



Deuteranomaly

78.7999, 88.0336, 60.9831



Tritanomaly

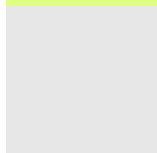
78.5203, 88.0571, 73.8310

Monochromacy



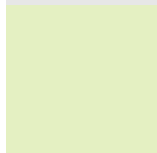
Original Color

70.2207, 88.8197, 34.5620



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.8926, 82.7092, 63.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2207, 88.8197, 34.5620 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(223, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 130)  
}
```

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(223, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 130) }
```

Border

The CSS property to change the border of an element to XYZ 70.2207, 88.8197, 34.5620 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(223, 255, 130) }
```


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

```
.border{ border-color:rgb(223, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2207, 88.8197, 34.5620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 130) }
```

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

```
.background{ background-color: rgb(223,  
255, 130) }
```

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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