

Converting Colors

XYZ(81.6117, 85.8596,
129.1245)

Have a look what the booklet for
XYZ(81.6117, 85.8596, 129.1245)
contains.

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Color

**XYZ(77.2344, 83.9872,
106.7482)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F0FF
RGB	215, 240, 255
RGB Percent	84%, 94%, 100%
CMY	0.1569, 0.0588, 0.0000
CMYK	0.16, 0.06, 0.00, 0.00
HSL	202°, 100%, 92%
HSV	202°, 16%, 100%
XYZ	77.2344, 83.9872, 106.7482
YIQ	234.2350, -19.7150, -0.6350

Conversions

Conversions Part 2

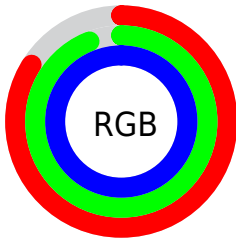
Format	Color
RYB	215, 230, 255
Decimal	14151935
CIELab	93.44, -5.16, -9.99
CIElCh	93, 11.242, 242.656
Yxy	83.9872, 0.2882, 0.3134
Android (android.graphics.Color)	4292342015 (0xFFD7F0FF)
YUV	234.2350, 10.2371, -16.8691
Hunter-Lab	91.6445, -9.9452, -4.9102

Details

The XYZ color **77.2344, 83.9872, 106.7482** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.8022, 82.7587, 75.9542**, and the grayscale version is **78.3221, 82.4010, 89.7347**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8307, 45.8318, 60.0678** is the 20% darker color. If you saturate the color by 10%, you get **67.5820, 74.9449, 105.5116**, and if you desaturate by 10%, it is **88.2066, 93.9345, 108.0899**.

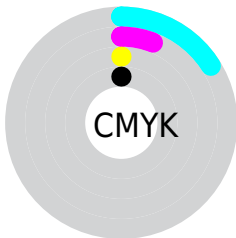
Distribution



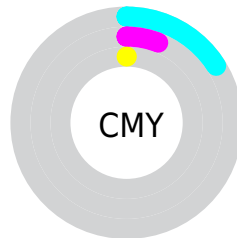
- Red (84%)
- Green (94%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2344, 83.9872, 106.7482 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 77.2344, 83.9872, 106.7482 by changing the saturation by 10% instead.

■ 77.2344, 83.9872,
106.7482

■ 77.2344, 83.9872,
106.7482

474.4425,
508.2707, 603.0486

■ 57.7459, 63.0049,
81.2999

128.4414,
138.9573, 172.5327

■ 41.8468, 45.8451,
60.2562

160.8906,
173.7138, 213.7061

■ 29.1720, 32.1236,
43.1985

198.3907,
213.8305, 260.9581

■ 19.3559, 21.4560,
29.7083

241.3071,
259.6918, 314.7075

■ 12.0332, 13.4577,
19.3671

290.0051,
311.6821, 375.3727

■ 6.8387, 7.7445,
11.7564

344.8501,

■ 3.4068, 3.9319,

370.1857, 443.3722

6.4575

406.2075,
435.5872, 519.1247

■ 1.3724, 1.6355,
3.0520

■ 0.2364, 0.3814,
1.1212

■ 77.2344, 83.9872,
106.7482

■ 77.2344, 83.9872,
106.7482

■ 67.5820, 74.9449,
105.5116

■ 88.2066, 93.9345,
108.0899

■ 59.1865, 66.7651,
104.3752

95.0500, 100.0000,
108.9000

■ 51.9897, 59.4166,
103.3361

■ 45.9259, 52.8619,
102.3906

■ 40.9223, 47.0601,
101.5344

■ 36.8972, 41.9652,
100.7631

■ 33.7552, 37.5242,
100.0715

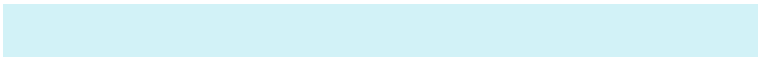
■ 31.3788, 33.6726,
99.4534

■ 30.5172, 32.1544,
99.2057

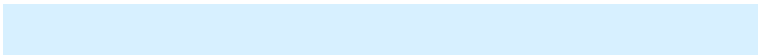
Harmonies

Analogous

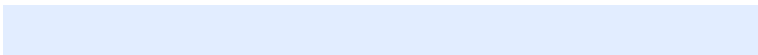
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1181, 83.9872, 100.5539



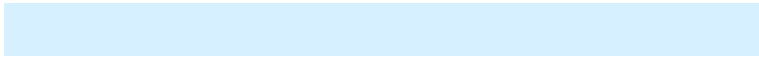
77.2344, 83.9872, 106.7482



80.0920, 83.9872, 108.7661

Triad

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



77.2344, 83.9872, 106.7482



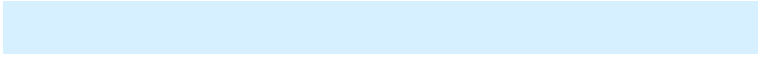
85.6651, 83.9872, 90.6926



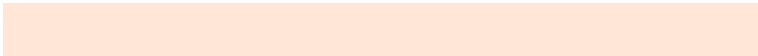
76.7872, 83.9872, 78.3653

Complementary

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



77.2344, 83.9872, 106.7482



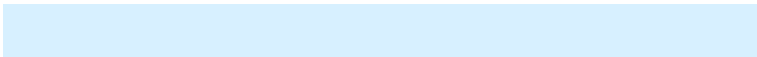
81.8022, 82.7587, 75.9542

Split Complementary

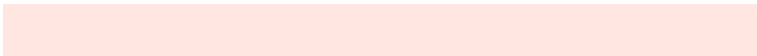
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5632, 83.9872, 76.0729



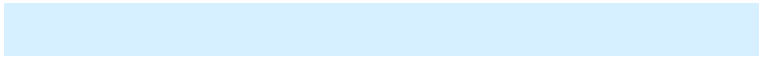
77.2344, 83.9872, 106.7482



84.7294, 83.9872, 82.9088

Square

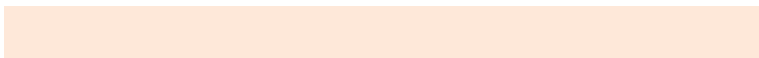
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



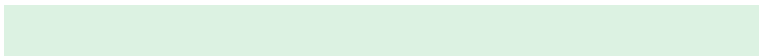
77.2344, 83.9872, 106.7482



85.0048, 83.9872, 99.1629



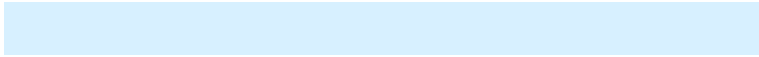
82.4776, 83.9872, 77.6840



74.8644, 83.9872, 84.1436

Rectangle

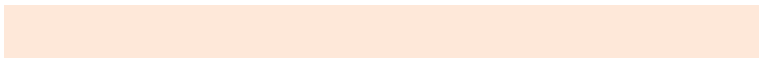
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2344, 83.9872, 106.7482



82.0459, 83.9872, 107.3759



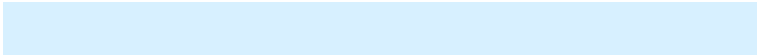
82.4776, 83.9872, 77.6840



77.6491, 83.9872, 77.1783

Sweetspot

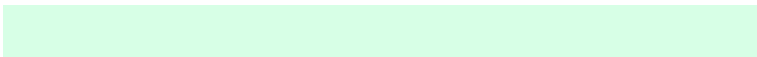
The Sweet Spot groups the original color and five complimentary colors.



77.2366, 83.9906, 106.7487



89.0078, 94.6496, 108.1857



78.0214, 91.6620, 88.1992



18.8755, 20.1020, 23.1352



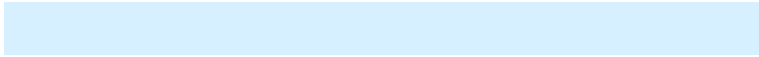
0.0000, 0.0000, 0.0000



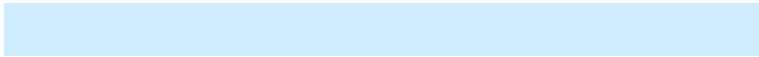
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2366, 83.9906, 106.7487



73.8933, 80.8942, 106.3273



71.7564, 73.0301, 104.9220



17.9491, 19.2698, 23.0234



16.0941, 17.0977, 51.8865



1.6721, 1.8748, 5.0870

Inverse Universe

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



81.2700, 76.1537, 92.8577



78.7061, 71.7728, 89.7006



87.5883, 94.3309, 77.8829



18.4870, 18.1781, 21.1815



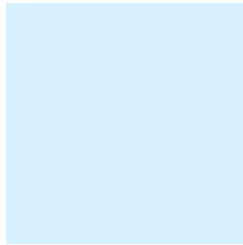
24.9117, 12.4540, 18.7175



2.4786, 1.2338, 2.1017

Previews

White Background



This preview shows how the XYZ color 77.2344, 83.9872, 106.7482 looks on a white background.

Color Contrast Check

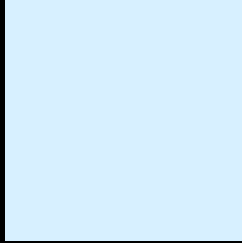
Large Text (above 18pt) WCAG AA × Fail

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 77.2344, 83.9872, 106.7482 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

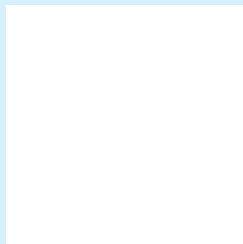
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2344, 83.9872, 106.7482

Background



This preview shows how black text looks on a background with the XYZ color 77.2344, 83.9872, 106.7482.

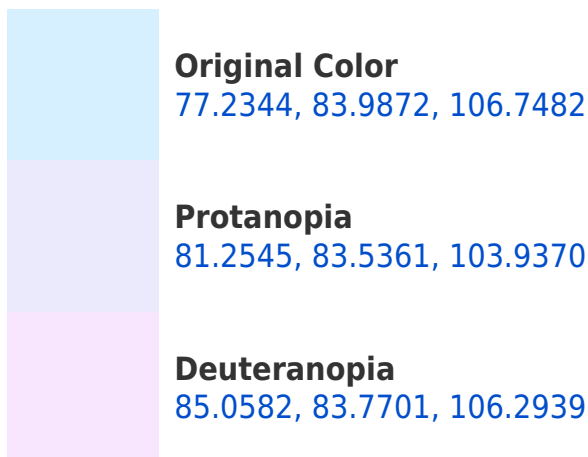


This preview shows how white text looks on a background with the XYZ color 77.2344, 83.9872,

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

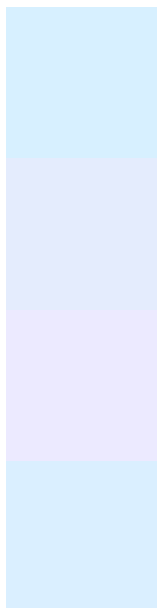




Tritanopia

78.1299, 84.0131, 106.7060

Trichromacy



Original Color

77.2344, 83.9872, 106.7482

Protanomaly

79.7200, 83.5767, 104.8587

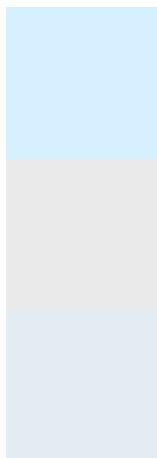
Deuteranomaly

82.0649, 83.8985, 106.4765

Tritanomaly

77.8299, 83.8584, 106.6920

Monochromacy



Original Color

77.2344, 83.9872, 106.7482

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7010, 82.7326, 95.8781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2344, 83.9872, 106.7482 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(215, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 240, 255)  
}
```

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(215, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2344, 83.9872, 106.7482 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(215, 240, 255) }
```


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

```
.border{ border-color:rgb(215, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2344, 83.9872, 106.7482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 240, 255) }
```

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

```
.background{ background-color: rgb(215,  
240, 255) }
```

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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