

Converting Colors

XYZ(77.8883, 85.3810,
106.9828)

Have a look what the booklet for
XYZ(77.8883, 85.3810, 106.9828)
contains.

XYZ(77.8265, 85.1713, 106.9456)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.8265, 85.1713,
106.9456)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F2FF
RGB	215, 242, 255
RGB Percent	84%, 95%, 100%
CMY	0.1569, 0.0510, 0.0000
CMYK	0.16, 0.05, 0.00, 0.00
HSL	199°, 100%, 92%
HSV	199°, 16%, 100%
XYZ	77.8265, 85.1713, 106.9456
YIQ	235.4090, -20.2650, -1.6810

Conversions

Conversions Part 2

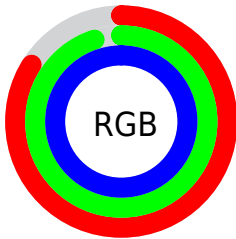
Format	Color
R_{YB}	215, 231, 255
Decimal	14152447
CIE _{Lab}	93.96, -6.18, -9.23
CIE _{LCh}	94, 11.105, 236.178
Yxy	85.1713, 0.2883, 0.3155
Android (android.graphics.Color)	4292342527 (0xFFD7F2FF)
YUV	235.4090, 9.6584, -17.8987
Hunter-Lab	92.2883, -10.9759, -4.1047

Details

The XYZ color **77.8265, 85.1713, 106.9456** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.2489, 81.6520, 75.7699**, and the grayscale version is **79.2189, 83.3445, 90.7621**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2492, 46.6686, 60.2073** is the 20% darker color. If you saturate the color by 10%, you get **68.5044, 76.7896, 105.8191**, and if you desaturate by 10%, it is **88.4318, 94.3849, 108.1650**.

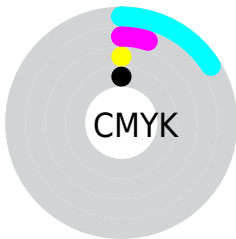
Distribution



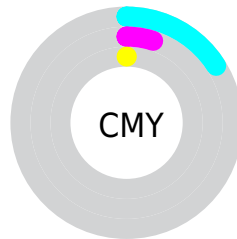
- Red (84%)
- Green (95%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8265, 85.1713, 106.9456 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 77.8265, 85.1713, 106.9456 by changing the saturation by 10% instead.

■ 77.8265, 85.1713,
106.9456

■ 77.8265, 85.1713,
106.9456

476.4262,
512.1947, 603.6746

■ 58.2338, 63.9829,
81.4645

129.2722,
140.6125, 172.8046

■ 42.2406, 46.6368,
60.3910

161.8558,
175.6341, 214.0196

■ 29.4817, 32.7487,
43.3065

199.5005,
216.0356, 261.3163

■ 19.5916, 21.9340,
29.7925

242.5715,
262.2013, 315.1133

■ 12.2051, 13.8084,
19.4304

291.4342,
314.5157, 375.8290

■ 6.9567, 7.9875,
11.8018

346.4540,

■ 3.4811, 4.0870,

373.3631, 443.8821

6.4879

407.9962,
439.1280, 519.6911

■ 1.4130, 1.7223,
3.0704

■ 0.2655, 0.4381,
1.1307

■ 77.8265, 85.1713,
106.9456

■ 77.8265, 85.1713,
106.9456

■ 68.5044, 76.7896,
105.8191

■ 88.4318, 94.3849,
108.1650

■ 60.4034, 69.1989,
104.7809

95.0500, 100.0000,
108.9000

■ 53.4662, 62.3695,
103.8283

■ 47.6279, 56.2659,
102.9579

■ 42.8166, 50.8485,
102.1658

■ 38.9514, 46.0735,
101.4479

■ 35.9380, 41.8897,
100.7991

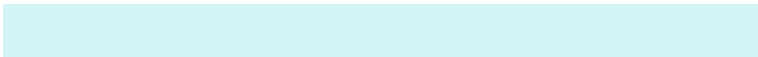
■ 33.6597, 38.2345,
100.2137

■ 32.8313, 36.7827,
99.9771

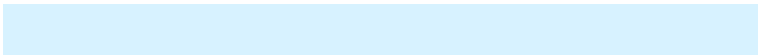
Harmonies

Analogous

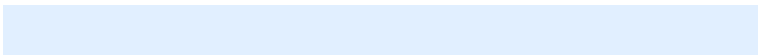
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9526, 85.1713, 100.1140



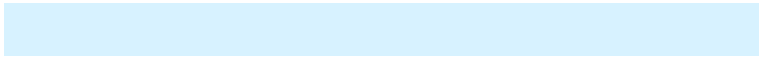
77.8265, 85.1713, 106.9456



80.5740, 85.1713, 109.9667

Triad

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



77.8265, 85.1713, 106.9456



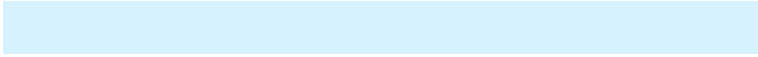
86.7643, 85.1713, 93.8277



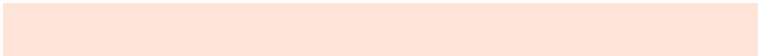
78.4683, 85.1713, 78.8671

Complementary

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



77.8265, 85.1713, 106.9456



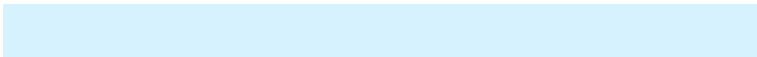
81.2489, 81.6520, 75.7699

Split Complementary

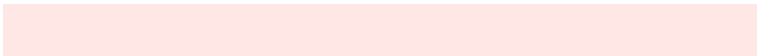
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3327, 85.1713, 77.4083



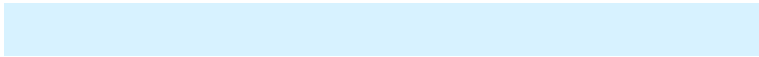
77.8265, 85.1713, 106.9456



86.1677, 85.1713, 85.7317

Square

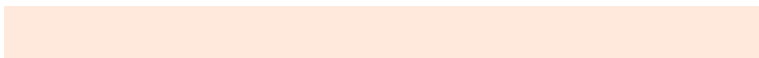
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8265, 85.1713, 106.9456



85.7728, 85.1713, 102.1072



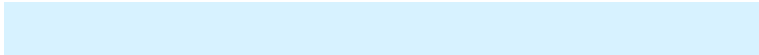
84.1617, 85.1713, 79.8463



76.3168, 85.1713, 83.9584

Rectangle

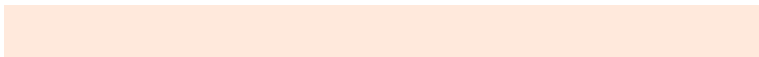
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8265, 85.1713, 106.9456



82.5486, 85.1713, 109.2857



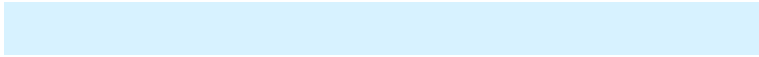
84.1617, 85.1713, 79.8463



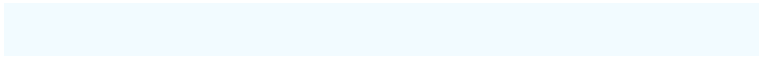
79.3776, 85.1713, 77.9495

Sweetspot

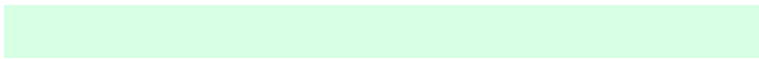
The Sweet Spot groups the original color and five complimentary colors.



77.8287, 85.1747, 106.9461



89.2065, 95.0469, 108.2519



77.7427, 91.5505, 86.7313



18.9238, 20.1986, 23.1513



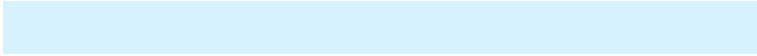
0.0000, 0.0000, 0.0000



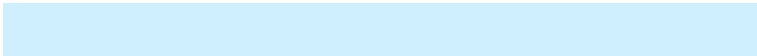
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8287, 85.1747, 106.9461



74.5989, 82.3053, 106.5625



72.2856, 74.0884, 105.0984



18.0282, 19.4281, 23.0498



17.2967, 19.5030, 52.2874



1.7836, 2.0978, 5.1242

Inverse Universe

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



81.5689, 76.2733, 94.4314



79.0622, 71.9152, 91.5759



86.9712, 93.0968, 77.6774



18.5269, 18.1941, 21.3918



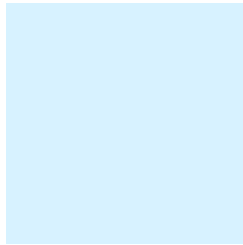
25.5188, 12.6968, 21.9142



2.5349, 1.2563, 2.3980

Previews

White Background



This preview shows how the XYZ color 77.8265, 85.1713, 106.9456 looks on a white background.

Color Contrast Check

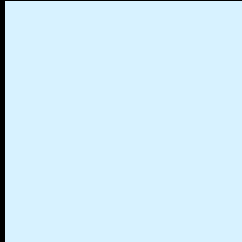
Large Text (above 18pt) WCAG AA × Fail

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 77.8265, 85.1713, 106.9456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

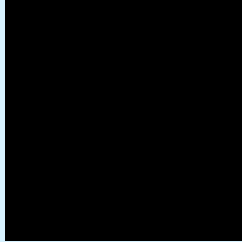
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

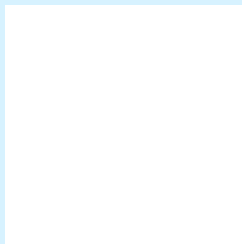
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8265, 85.1713, 106.9456

Background



This preview shows how black text looks on a background with the XYZ color 77.8265, 85.1713, 106.9456.



This preview shows how white text looks on a background with the XYZ color 77.8265, 85.1713,

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

77.8265, 85.1713, 106.9456

Protanopia

82.3331, 84.9605, 103.3264

Deuteranopia

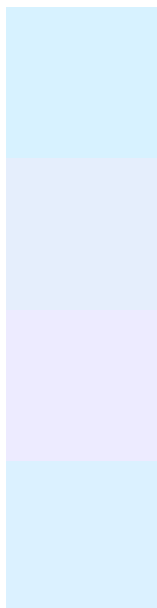
85.6928, 84.5116, 106.4036



Tritanopia

79.0289, 84.9123, 106.8322

Trichromacy



Original Color

77.8265, 85.1713, 106.9456

Protanomaly

80.4583, 84.8354, 104.2297

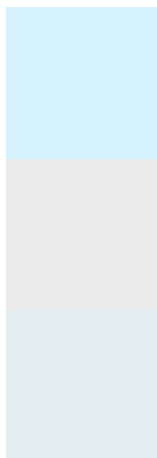
Deuteranomaly

82.6834, 84.6412, 106.5872

Tritanomaly

78.7187, 85.1907, 106.9023

Monochromacy



Original Color

77.8265, 85.1713, 106.9456

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5965, 84.0539, 96.0859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8265, 85.1713, 106.9456 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8265, 85.1713, 106.9456 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, 242, 255) }
```


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

```
.border{ border-color:rgb(215, 242, 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, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8265, 85.1713, 106.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 242, 255) }
```

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

```
.background{ background-color: rgb(215,  
242, 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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