

Converting Colors

XYZ(77.7645, 85.2492,
101.9787)

Have a look what the booklet for
XYZ(77.7645, 85.2492, 101.9787)
contains.

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Color

**XYZ(77.7645, 85.2492,
101.9787)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF2F9
RGB	218, 242, 249
RGB Percent	85%, 95%, 98%
CMY	0.1451, 0.0510, 0.0235
CMYK	0.12, 0.03, 0.00, 0.02
HSL	194°, 72%, 92%
HSV	194°, 12%, 98%
XYZ	77.7645, 85.2492, 101.9787
YIQ	235.6220, -16.5510, -2.9110

Conversions

Conversions Part 2

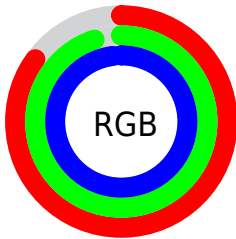
Format	Color
R _Y B	218, 232, 249
Decimal	14349049
CIE _{Lab}	93.99, -6.45, -6.04
CIE _{LCh}	94, 8.838, 223.126
Y _{xy}	85.2492, 0.2935, 0.3217
Android (android.graphics.Color)	4292539129 (0xFFDAF2F9)
Y _{UV}	235.6220, 6.5954, -15.4545
Hunter-Lab	92.3305, -11.2384, -0.8542

Details

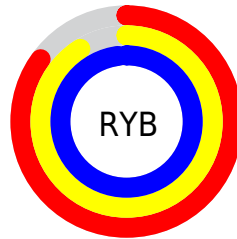
The XYZ color **77.7645, 85.2492, 101.9787** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6477, 79.0521, 77.4448**, and the grayscale version is **79.4022, 83.5373, 90.9721**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2888, 46.7546, 57.2478** is the 20% darker color. If you saturate the color by 10%, you get **69.2240, 78.4034, 101.1088**, and if you desaturate by 10%, it is **87.4800, 92.7816, 102.9219**.

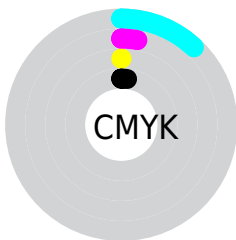
Distribution



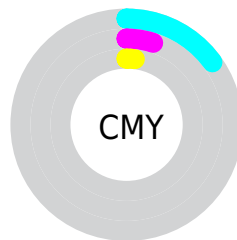
- Red (85%)
- Green (95%)
- Blue (98%)



- Red (85%)
- Yellow (91%)
- Blue (98%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7645, 85.2492, 101.9787 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 77.7645, 85.2492, 101.9787 by changing the saturation by 10% instead.

■ 77.7645, 85.2492,
101.9787

■ 77.7645, 85.2492,
101.9787

476.2187,
512.4523, 587.8189

■ 58.1827, 64.0473,
77.3280

129.1852,
140.7213, 165.9493

■ 42.1993, 46.6890,
57.0089

161.7548,
175.7603, 206.1062

■ 29.4492, 32.7899,
40.6030

199.3843,
216.1804, 252.2689

■ 19.5669, 21.9655,
27.6917

242.4392,
262.3661, 304.8560

■ 12.1870, 13.8316,
17.8563

291.2847,
314.7018, 364.2860

■ 6.9443, 8.0036,
10.6785

346.2862,

■ 3.4733, 4.0973,

373.5717, 430.9775

5.7397

407.8091,
439.3605, 505.3489

■ 1.4087, 1.7281,
2.6212

■ 0.2624, 0.4418,
0.9034

■ 77.7645, 85.2492,
101.9787

■ 77.7645, 85.2492,
101.9787

■ 69.2240, 78.4034,
101.1088

■ 87.4800, 92.7816,
102.9219

■ 61.8008, 72.2070,
100.3040

■ 93.5419, 98.5051,
103.7071

■ 55.4436, 66.6351,
99.5636

■ 94.0991, 99.6197,
103.8929

■ 50.0937, 61.6567,
98.8847

■ 45.6868, 57.2381,
98.2640

■ 42.1506, 53.3411,
97.6982

■ 39.4019, 49.9222,
97.1832

■ 37.3402, 46.9289,
96.7141

■ 36.1252, 44.8917,
96.3849

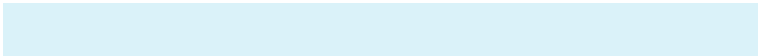
Harmonies

Analogous

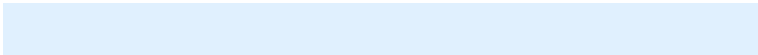
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6936, 85.2492, 95.8002



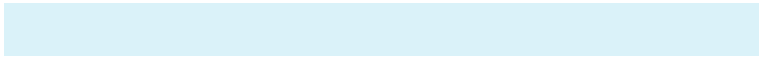
77.7645, 85.2492, 101.9787



79.7187, 85.2492, 105.8022

Triad

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



77.7645, 85.2492, 101.9787



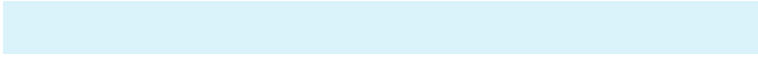
85.4407, 85.2492, 96.6398



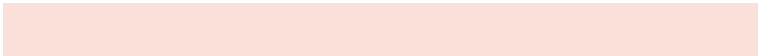
80.0021, 85.2492, 80.7488

Complementary

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



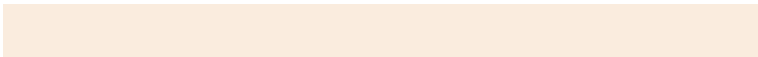
77.7645, 85.2492, 101.9787



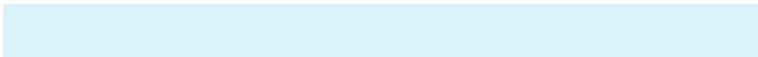
78.6477, 79.0521, 77.4448

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.



82.3492, 85.2492, 80.9491



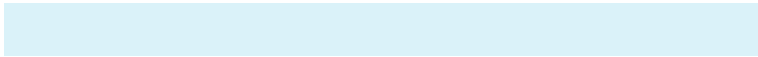
77.7645, 85.2492, 101.9787



85.5202, 85.2492, 89.9059

Square

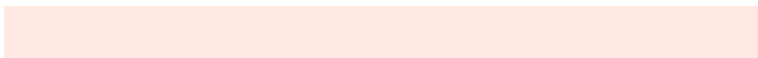
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7645, 85.2492, 101.9787



84.1640, 85.2492, 102.6190



84.3791, 85.2492, 84.2303



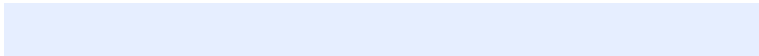
77.9685, 85.2492, 83.6691

Rectangle

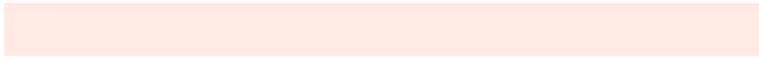
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



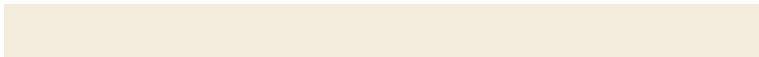
77.7645, 85.2492, 101.9787



81.2742, 85.2492, 106.3919



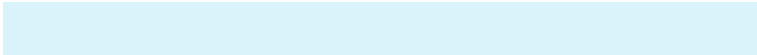
84.3791, 85.2492, 84.2303



80.7799, 85.2492, 80.4578

Sweetspot

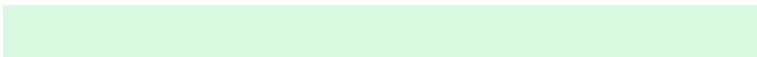
The Sweet Spot groups the original color and five complimentary colors.



77.7670, 85.2528, 101.9806



90.6664, 96.6564, 108.4857



76.3427, 88.0791, 84.0106



19.2348, 20.5567, 23.2040



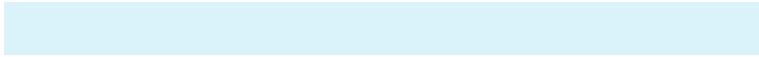
0.0000, 0.0000, 0.0000



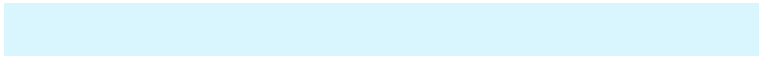
20.3446, 21.4041, 23.3091

Same Dimension

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



77.7670, 85.2528, 101.9806



79.6585, 88.0684, 107.4082



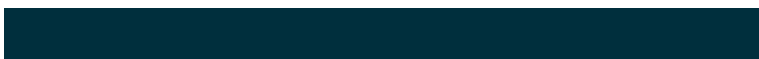
73.4238, 76.5664, 100.5329



17.4141, 18.9050, 22.1165



19.4486, 24.2527, 51.6298



1.8798, 2.4032, 4.8080

Inverse Universe

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



80.1674, 76.6953, 94.5868



82.6794, 77.4333, 98.0727



82.9472, 87.6511, 78.8779



17.8156, 17.4536, 20.8845



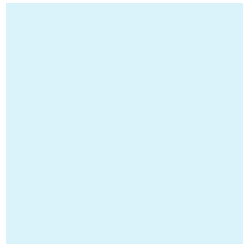
26.1088, 12.8592, 28.3449



2.4577, 1.2068, 2.8338

Previews

White Background



This preview shows how the XYZ color 77.7645, 85.2492, 101.9787 looks on a white background.

Color Contrast Check

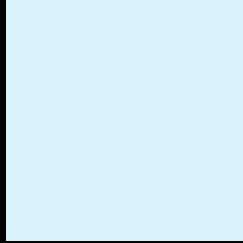
Large Text (above 18pt) WCAG AA × Fail

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 77.7645, 85.2492, 101.9787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

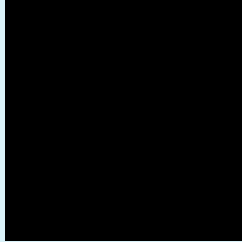
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7645, 85.2492, 101.9787

Background



This preview shows how black text looks on a background with the XYZ color 77.7645, 85.2492, 101.9787.



This preview shows how white text looks on a background with the XYZ color 77.7645, 85.2492,

101.9787.

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

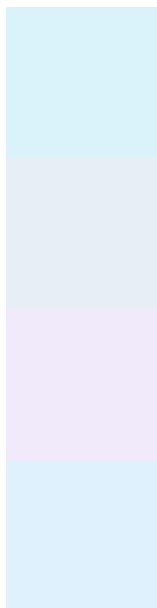




Tritanopia

79.9506, 85.3875, 106.8753

Trichromacy



Original Color

77.7645, 85.2492, 101.9787

Protanomaly

80.1641, 84.7918, 99.3301

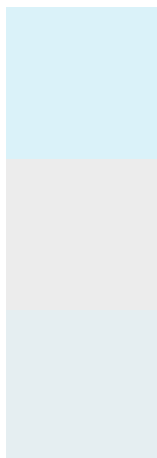
Deuteranomaly

82.9538, 84.4485, 102.3705

Tritanomaly

79.3091, 85.5320, 105.2578

Monochromacy



Original Color

77.7645, 85.2492, 101.9787

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.7648, 84.1580, 95.3118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7645, 85.2492, 101.9787 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(218, 242, 249)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 249)  
}
```

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(218, 242, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 249) }
```

Border

The CSS property to change the border of an element to XYZ 77.7645, 85.2492, 101.9787 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(218, 242, 249) }
```


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

```
.border{ border-color:rgb(218, 242, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 242, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 249);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7645, 85.2492, 101.9787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 249) }
```

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

```
.background{ background-color: rgb(218,  
242, 249) }
```

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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