

Converting Colors

XYZ(82.2054, 83.6874,
132.6870)

Have a look what the booklet for
XYZ(82.2054, 83.6874, 132.6870)
contains.

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Color

**XYZ(77.2735, 81.8523,
106.3341)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEBFF
RGB	220, 235, 255
RGB Percent	86%, 92%, 100%
CMY	0.1372, 0.0784, 0.0000
CMYK	0.14, 0.08, 0.00, 0.00
HSL	214°, 100%, 93%
HSV	214°, 14%, 100%
XYZ	77.2735, 81.8523, 106.3341
YIQ	232.7950, -15.3600, 3.0400

Conversions

Conversions Part 2

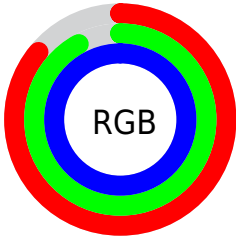
Format	Color
R _Y B	220, 231, 255
Decimal	14478335
CIE _{Lab}	92.51, -1.05, -11.34
CIE _{LCh}	93, 11.390, 264.692
Yxy	81.8523, 0.2911, 0.3083
Android (android.graphics.Color)	4292668415 (0xFFDCEBFF)
YUV	232.7950, 10.9471, -11.2212
Hunter-Lab	90.4723, -5.8674, -6.3543

Details

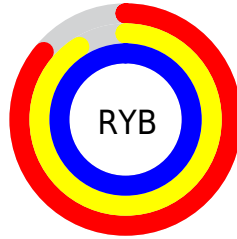
The XYZ color **77.2735, 81.8523, 106.3341** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.3178, 88.7459, 80.3446**, and the grayscale version is **77.2284, 81.2503, 88.4816**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8302, 44.3167, 59.7754** is the 20% darker color. If you saturate the color by 10%, you get **66.1352, 70.1718, 104.6665**, and if you desaturate by 10%, it is **89.9349, 94.8295, 108.1716**.

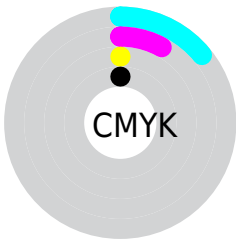
Distribution



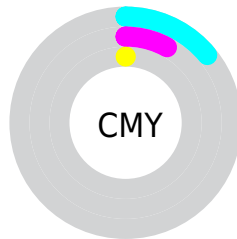
- Red (86%)
- Green (92%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2735, 81.8523, 106.3341 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 77.2735, 81.8523, 106.3341 by changing the saturation by 10% instead.

■ 77.2735, 81.8523,
106.3341

■ 77.2735, 81.8523,
106.3341

474.5737,
501.1535, 601.7343

■ 57.7781, 61.2438,
80.9546

128.4963,
135.9669, 171.9623

■ 41.8728, 44.4219,
59.9734

160.9543,
170.2417, 213.0481

■ 29.1924, 31.0024,
42.9721

198.4640,
209.8408, 260.2064

■ 19.3714, 20.6006,
29.5319

241.3906,
255.1485, 313.8557

■ 12.0446, 12.8324,
19.2346

290.0995,
306.5492, 374.4147

■ 6.8465, 7.3132,
11.6614

344.9561,

■ 3.4117, 3.6588,

364.4274, 442.3017

6.3938

406.3257,
429.1673, 517.9354

■ 1.3751, 1.4846,
3.0134

■ 0.2383, 0.2778,
1.1015

■ 77.2735, 81.8523,
106.3341

■ 77.2735, 81.8523,
106.3341

■ 66.1352, 70.1718,
104.6665

■ 89.9349, 94.8295,
108.1716

■ 56.4522, 59.7343,
103.1623

95.0500, 100.0000,
108.9000

■ 48.1610, 50.4969,
101.8163

■ 41.1905, 42.4097,
100.6227

■ 35.4629, 35.4191,
99.5752

■ 30.8912, 29.4659,
98.6671

■ 27.3756, 24.4837,
97.8907

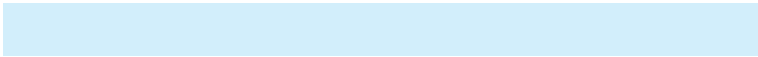
■ 24.7960, 20.3948,
97.2374

■ 23.5522, 18.2244,
96.8841

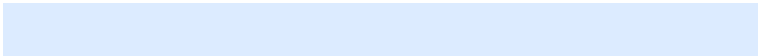
Harmonies

Analogous

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



74.5590, 81.8523, 103.0781



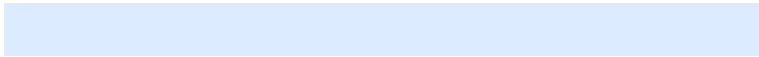
77.2735, 81.8523, 106.3341



80.1968, 81.8523, 104.7463

Triad

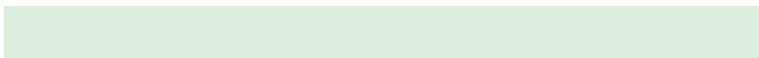
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2735, 81.8523, 106.3341



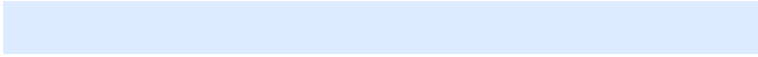
83.0775, 81.8523, 82.4947



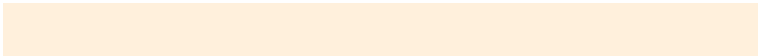
73.2514, 81.8523, 80.0420

Complementary

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



77.2735, 81.8523, 106.3341



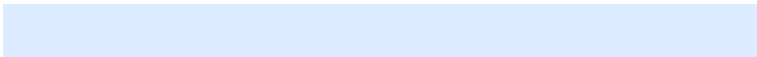
85.3178, 88.7459, 80.3446

Split Complementary

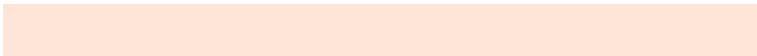
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4479, 81.8523, 75.1364



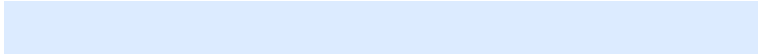
77.2735, 81.8523, 106.3341



81.1298, 81.8523, 76.4884

Square

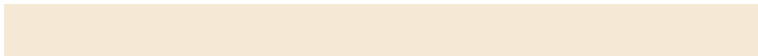
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2735, 81.8523, 106.3341



83.5960, 81.8523, 90.6377



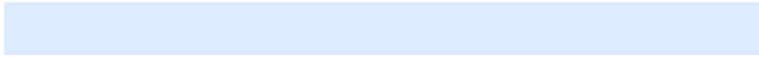
78.3252, 81.8523, 73.8775



72.2748, 81.8523, 87.6257

Rectangle

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



77.2735, 81.8523, 106.3341



81.8644, 81.8523, 101.2035



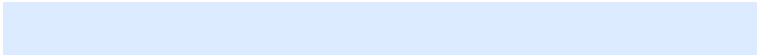
78.3252, 81.8523, 73.8775



73.8688, 81.8523, 78.0447

Sweetspot

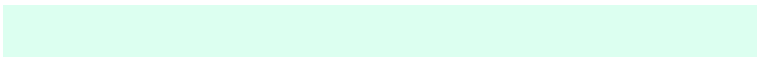
The Sweet Spot groups the original color and five complimentary colors.



77.2757, 81.8556, 106.3346



89.5655, 94.4546, 108.1187



80.9794, 93.0174, 95.9952



18.9560, 19.9991, 23.1111



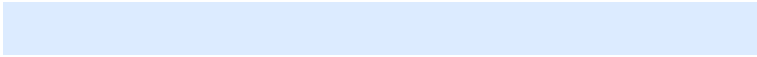
0.0000, 0.0000, 0.0000



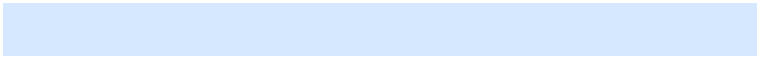
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2757, 81.8556, 106.3346



74.6095, 79.0852, 105.9404



73.8708, 73.9902, 104.9959



17.6433, 18.6582, 22.9214



12.4477, 9.8050, 50.6711



1.3178, 1.1663, 4.9689

Inverse Universe

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



81.8299, 78.4460, 89.4299



79.8587, 75.2630, 86.4317



89.0654, 97.5076, 81.8383



18.3326, 18.1164, 20.3686



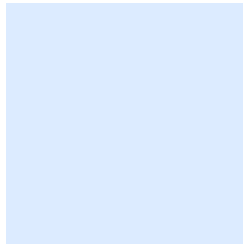
23.0712, 11.7178, 9.0255



2.2998, 1.1623, 1.1601

Previews

White Background



This preview shows how the XYZ color 77.2735, 81.8523, 106.3341 looks on a white background.

Color Contrast Check

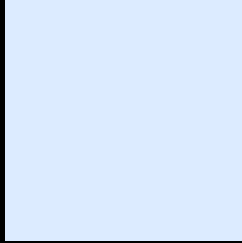
Large Text (above 18pt) WCAG AA × Fail

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 77.2735, 81.8523, 106.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

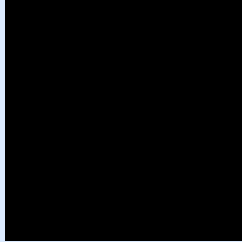
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

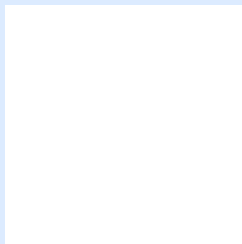
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2735, 81.8523, 106.3341

Background



This preview shows how black text looks on a background with the XYZ color 77.2735, 81.8523, 106.3341.

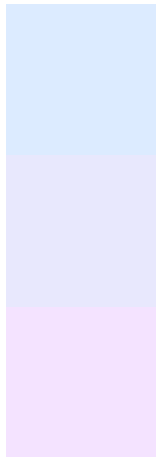


This preview shows how white text looks on a background with the XYZ color 77.2735, 81.8523,

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

77.2735, 81.8523, 106.3341

Protanopia

79.8649, 81.9609, 104.5392

Deuteranopia

82.8273, 81.3913, 105.9524



Tritanopia

77.1129, 81.7881, 105.4883

Trichromacy



Original Color

77.2735, 81.8523, 106.3341

Protanomaly

79.0232, 81.9276, 105.4146

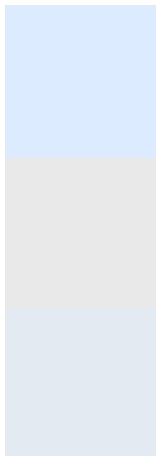
Deuteranomaly

80.6078, 81.4758, 106.0857

Tritanomaly

77.1129, 81.7881, 105.4883

Monochromacy



Original Color

77.2735, 81.8523, 106.3341

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.2949, 81.6905, 94.9131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2735, 81.8523, 106.3341 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(220, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 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(220, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2735, 81.8523, 106.3341 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(220, 235, 255) }
```


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

```
.border{ border-color:rgb(220, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2735, 81.8523, 106.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 255) }
```

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

```
.background{ background-color: rgb(220,  
235, 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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