

Converting Colors

XYZ(77.4317, 81.3328,
106.2255)

Have a look what the booklet for
XYZ(77.4317, 81.3328, 106.2255)
contains.

XYZ(77.5970, 81.5952, 106.2674)	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(77.5970, 81.5952,
106.2674)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEAFB
RGB	222, 234, 255
RGB Percent	87%, 92%, 100%
CMY	0.1294, 0.0823, 0.0000
CMYK	0.13, 0.08, 0.00, 0.00
HSL	218°, 100%, 94%
HSV	218°, 13%, 100%
XYZ	77.5970, 81.5952, 106.2674
YIQ	232.8060, -13.8930, 3.9870

Conversions

Conversions Part 2

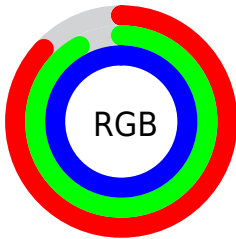
Format	Color
R _Y B	222, 231, 255
Decimal	14609151
CIE Lab	92.40, 0.09, -11.50
CIE LCh	92, 11.496, 270.432
Yxy	81.5952, 0.2923, 0.3074
Android (android.graphics.Color)	4292799231 (0xFFDEEAFF)
YUV	232.8060, 10.9416, -9.4769
Hunter-Lab	90.3301, -4.7392, -6.5198

Details

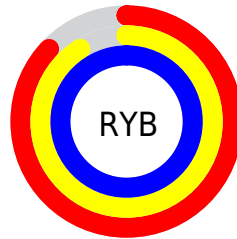
The XYZ color **77.5970, 81.5952, 106.2674** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4749, 90.6335, 82.0452**, and the grayscale version is **77.2359, 81.2582, 88.4902**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0498, 44.1335, 59.7284** is the 20% darker color. If you saturate the color by 10%, you get **65.9604, 69.0524, 104.4597**, and if you desaturate by 10%, it is **90.8421, 95.5996, 108.2724**.

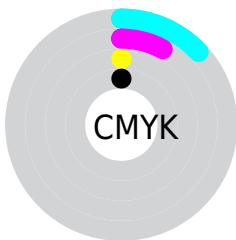
Distribution



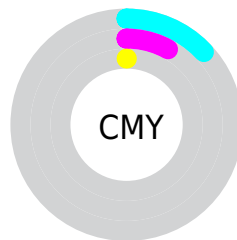
- Red (87%)
- Green (92%)
- Blue (100%)



- Red (87%)
- Yellow (91%)
- Blue (100%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5970, 81.5952, 106.2674 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 77.5970, 81.5952, 106.2674 by changing the saturation by 10% instead.

■ 77.5970, 81.5952,
106.2674

■ 77.5970, 81.5952,
106.2674

475.6579,
500.2926, 601.5225

■ 58.0446, 61.0319,
80.8990

128.9502,
135.6062, 171.8704

■ 42.0879, 44.2509,
59.9279

161.4818,
169.8227, 212.9421

■ 29.3616, 30.8678,
42.9356

199.0705,
209.3591, 260.0853

■ 19.5002, 20.4982,
29.5036

242.0816,
254.5997, 313.7185

■ 12.1384, 12.7577,
19.2132

290.8806,
305.9290, 374.2603

■ 6.9109, 7.2619,
11.6461

345.8327,

■ 3.4522, 3.6264,

363.7313, 442.1292

6.3836

407.3034,
428.3910, 517.7437

■ 1.3972, 1.4669,
3.0072

■ 0.2542, 0.2652,
1.0983

■ 77.5970, 81.5952,
106.2674

■ 77.5970, 81.5952,
106.2674

■ 65.9604, 69.0524,
104.4597

■ 90.8421, 95.5996,
108.2724

■ 55.8616, 57.9113,
102.8415

95.0500, 100.0000,
108.9000

■ 47.2342, 48.1224,
101.4068

■ 40.0040, 39.6291,
100.1485

■ 34.0898, 32.3705,
99.0591

■ 29.4016, 26.2796,
98.1306

■ 25.8362, 21.2821,
97.3539

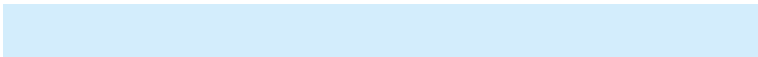
■ 23.2709, 17.2915,
96.7188

■ 21.9429, 15.0058,
96.3476

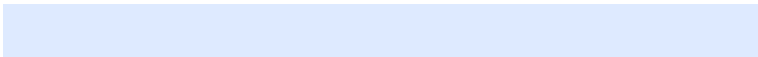
Harmonies

Analogous

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



74.7630, 81.5952, 103.8802



77.5970, 81.5952, 106.2674



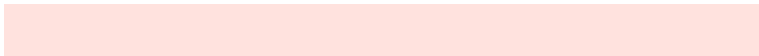
80.4898, 81.5952, 103.7429

Triad

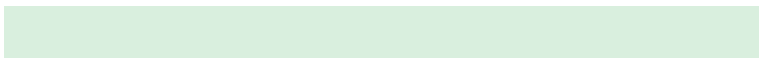
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5970, 81.5952, 106.2674



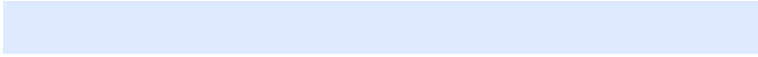
82.5953, 81.5952, 80.7948



72.6803, 81.5952, 80.9961

Complementary

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



77.5970, 81.5952, 106.2674



86.4749, 90.6335, 82.0452

Split Complementary

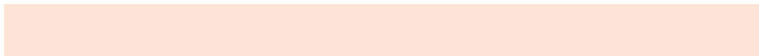
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6900, 81.5952, 75.4433



77.5970, 81.5952, 106.2674



80.4131, 81.5952, 75.3324

Square

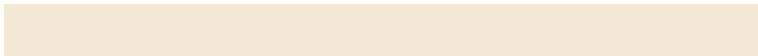
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5970, 81.5952, 106.2674



83.4204, 81.5952, 88.7196



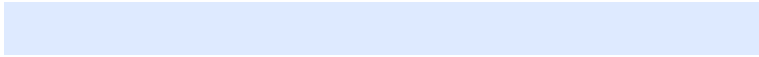
77.5106, 81.5952, 73.4362



71.9689, 81.5952, 88.9671

Rectangle

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



77.5970, 81.5952, 106.2674



82.0511, 81.5952, 99.7015



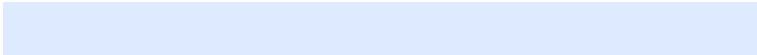
77.5106, 81.5952, 73.4362



73.2239, 81.5952, 78.8035

Sweetspot

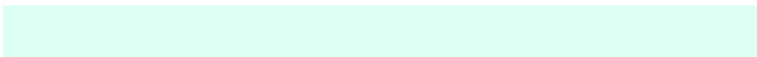
The Sweet Spot groups the original color and five complimentary colors.



77.5992, 81.5985, 106.2679



89.3609, 94.0455, 108.0505



82.0476, 93.5150, 98.4414



18.9043, 19.8957, 23.0938



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.



77.5992, 81.5985, 106.2679



73.8706, 77.6075, 105.6941



75.6621, 75.6976, 105.2310



17.5439, 18.4594, 22.8883



11.5947, 8.0989, 50.3867



1.2285, 0.9876, 4.9392

Inverse Universe

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



82.2139, 79.4446, 88.8469



79.4858, 75.1139, 84.4677



88.5849, 97.2291, 83.2070



18.2824, 18.0963, 20.1045



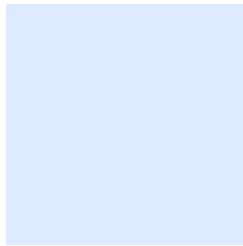
22.6406, 11.5456, 6.7581



2.2547, 1.1442, 0.9226

Previews

White Background



This preview shows how the XYZ color 77.5970, 81.5952, 106.2674 looks on a white background.

Color Contrast Check

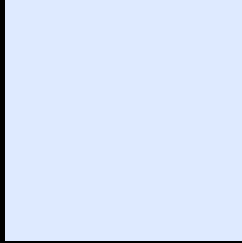
Large Text (above 18pt) WCAG AA × Fail

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 77.5970, 81.5952, 106.2674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

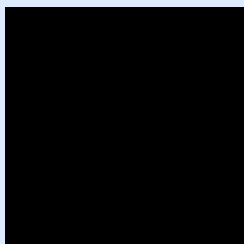
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

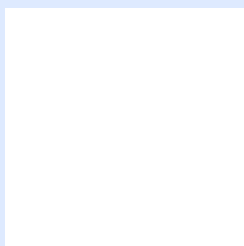
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5970, 81.5952, 106.2674

Background



This preview shows how black text looks on a background with the XYZ color 77.5970, 81.5952, 106.2674.



This preview shows how white text looks on a background with the XYZ color 77.5970, 81.5952,

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

77.5970, 81.5952, 106.2674

Protanopia

79.2605, 81.2326, 104.4305

Deuteranopia

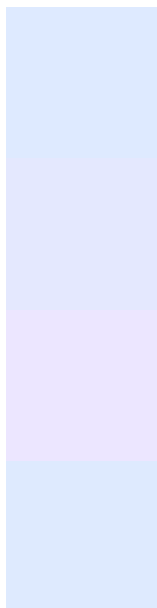
82.8273, 81.3913, 105.9524



Tritanopia

77.2766, 81.4671, 104.5803

Trichromacy



Original Color

77.5970, 81.5952, 106.2674

Protanomaly

78.7409, 81.3630, 105.3205

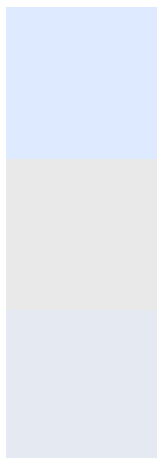
Deuteranomaly

80.9389, 81.6465, 106.1012

Tritanomaly

77.4364, 81.5310, 105.4216

Monochromacy



Original Color

77.5970, 81.5952, 106.2674

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.3292, 81.2867, 94.8333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5970, 81.5952, 106.2674 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(222, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 234, 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(222, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.5970, 81.5952, 106.2674 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(222, 234, 255) }
```


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

```
.border{ border-color:rgb(222, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5970, 81.5952, 106.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 234, 255) }
```

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

```
.background{ background-color: rgb(222,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor