

Converting Colors

XYZ(77.0981, 82.4971,
103.5546)

Have a look what the booklet for
XYZ(77.0981, 82.4971, 103.5546)
contains.

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Color

**XYZ(77.3701, 82.8123,
104.0020)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEDFC
RGB	220, 237, 252
RGB Percent	86%, 93%, 99%
CMY	0.1372, 0.0706, 0.0118
CMYK	0.13, 0.06, 0.00, 0.01
HSL	208°, 84%, 93%
HSV	208°, 13%, 99%
XYZ	77.3701, 82.8123, 104.0020
YIQ	233.6270, -14.9470, 1.0610

Conversions

Conversions Part 2

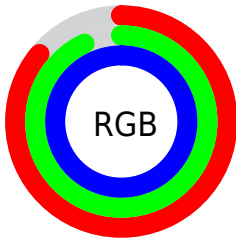
Format	Color
R _Y B	220, 231, 252
Decimal	14478844
CIE Lab	92.93, -2.68, -9.15
CIE LCh	93, 9.536, 253.673
Yxy	82.8123, 0.2929, 0.3135
Android (android.graphics.Color)	4292668924 (0xFFDCEDFC)
YUV	233.6270, 9.0579, -11.9509
Hunter-Lab	91.0013, -7.4899, -4.0595

Details

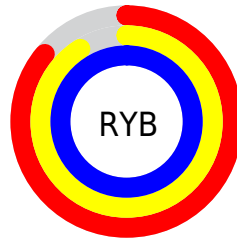
The XYZ color **77.3701, 82.8123, 104.0020** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7720, 85.2791, 79.8097**, and the grayscale version is **77.8686, 81.9239, 89.2151**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8912, 44.9872, 58.1053** is the 20% darker color. If you saturate the color by 10%, you get **67.0035, 72.5601, 102.5708**, and if you desaturate by 10%, it is **89.1164, 94.1145, 105.5657**.

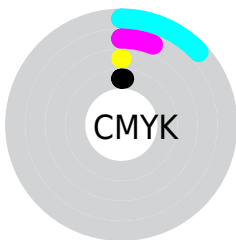
Distribution



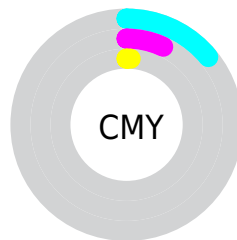
- Red (86%)
- Green (93%)
- Blue (99%)



- Red (86%)
- Yellow (91%)
- Blue (99%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (14%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3701, 82.8123, 104.0020 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 77.3701, 82.8123, 104.0020 by changing the saturation by 10% instead.

■ 77.3701, 82.8123,
104.0020

■ 77.3701, 82.8123,
104.0020

474.8976,
504.3608, 594.3046

■ 57.8577, 62.0353,
79.0115

128.6319,
137.3125, 168.7457

■ 41.9370, 45.0612,
58.3839

161.1119,
171.8046, 209.3361

■ 29.2429, 31.5057,
41.7006

198.6452,
211.6371, 255.9634

■ 19.4098, 20.9842,
28.5431

241.5970,
257.1945, 309.0463

■ 12.0726, 13.1125,
18.4929

290.3328,
308.8612, 369.0034

■ 6.8657, 7.5060,
11.1313

345.2180,

■ 3.4238, 3.7805,

367.0215, 436.2531

6.0400

406.6178,
432.0599, 511.2140

■ 1.3816, 1.5516,
2.8002

■ 0.2431, 0.3246,
0.9935

■ 77.3701, 82.8123,
104.0020

■ 77.3701, 82.8123,
104.0020

■ 67.0035, 72.5601,
102.5708

■ 89.1164, 94.1145,
105.5657

■ 57.9538, 63.3126,
101.2628

94.5709, 99.8084,
106.3773

■ 50.1638, 55.0358,
100.0758

■ 43.5690, 47.6898,
99.0055

■ 38.0986, 41.2310,
98.0471

■ 33.6737, 35.6115,
97.1957

■ 30.2035, 30.7770,
96.4454

■ 27.5792, 26.6634,
95.7898

■ 26.0824, 24.0513,
95.3644

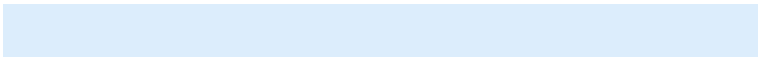
Harmonies

Analogous

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



75.2926, 82.8123, 99.9893



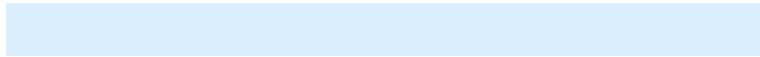
77.3701, 82.8123, 104.0020



79.8497, 82.8123, 104.1832

Triad

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



77.3701, 82.8123, 104.0020



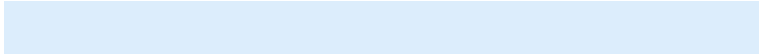
83.4630, 82.8123, 86.9608



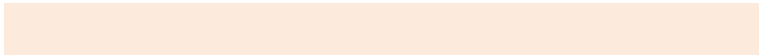
75.4452, 82.8123, 80.5947

Complementary

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



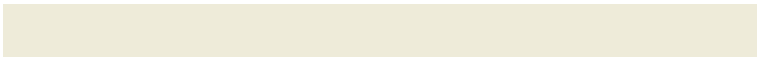
77.3701, 82.8123, 104.0020



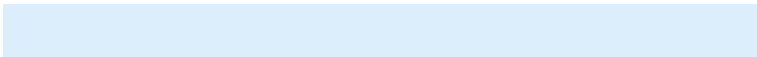
82.7720, 85.2791, 79.8097

Split Complementary

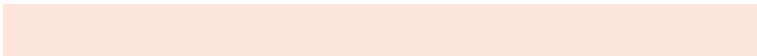
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5824, 82.8123, 77.4706



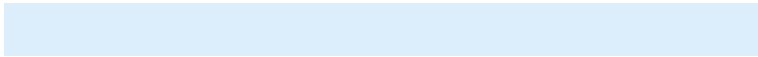
77.3701, 82.8123, 104.0020



82.2306, 82.8123, 81.0128

Square

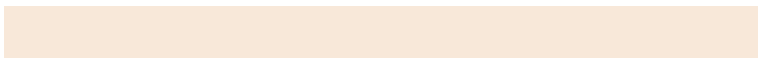
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3701, 82.8123, 104.0020



83.4032, 82.8123, 94.0850



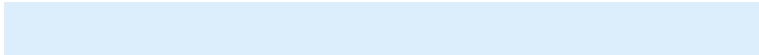
80.0665, 82.8123, 77.6195



74.1974, 82.8123, 86.3623

Rectangle

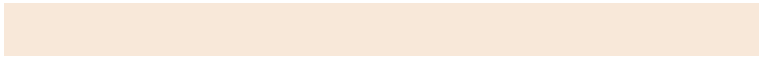
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3701, 82.8123, 104.0020



81.3997, 82.8123, 102.0885



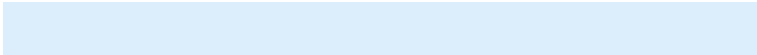
80.0665, 82.8123, 77.6195



76.0814, 82.8123, 79.2145

Sweetspot

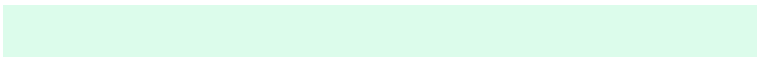
The Sweet Spot groups the original color and five complimentary colors.



77.3725, 82.8158, 104.0038



89.8904, 95.1044, 108.2270



79.3129, 90.8322, 91.9004



19.0382, 20.1634, 23.1385



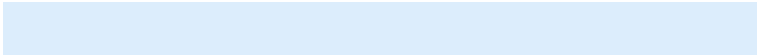
0.0000, 0.0000, 0.0000



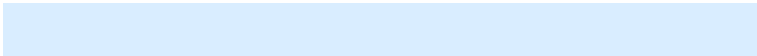
20.3446, 21.4041, 23.3091

Same Dimension

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



77.3725, 82.8158, 104.0038



76.8967, 82.5448, 106.4876



72.9615, 73.9937, 102.5335



17.0467, 18.1702, 21.9940



13.7355, 12.8265, 49.7254



1.3783, 1.4003, 4.6408

Inverse Universe

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



81.0261, 77.9981, 90.9093



81.2854, 76.8757, 90.7319



87.5409, 94.8169, 81.3994



17.6301, 17.3794, 19.9078



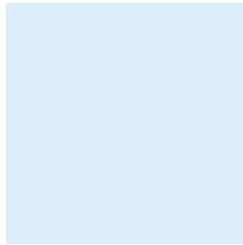
23.2251, 11.7057, 13.1595



2.2046, 1.1056, 1.5010

Previews

White Background



This preview shows how the XYZ color 77.3701, 82.8123, 104.0020 looks on a white background.

Color Contrast Check

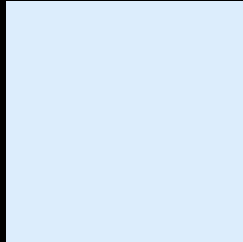
Large Text (above 18pt) WCAG AA × Fail

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 77.3701, 82.8123, 104.0020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

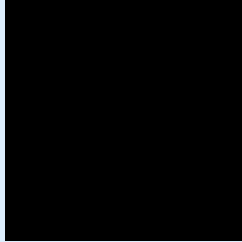
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

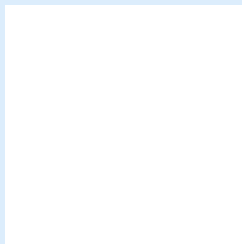
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3701, 82.8123, 104.0020

Background



This preview shows how black text looks on a background with the XYZ color 77.3701, 82.8123, 104.0020.

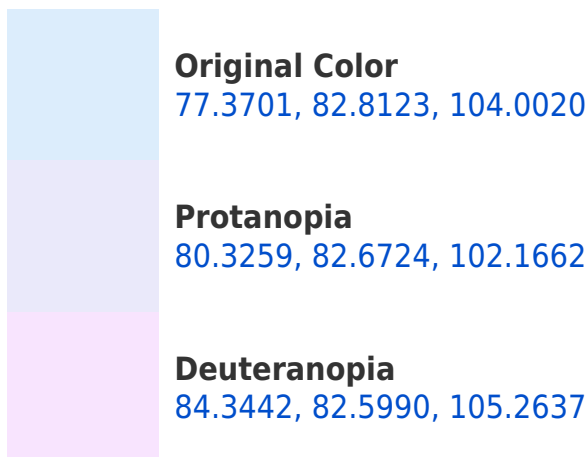


This preview shows how white text looks on a background with the XYZ color 77.3701, 82.8123,

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

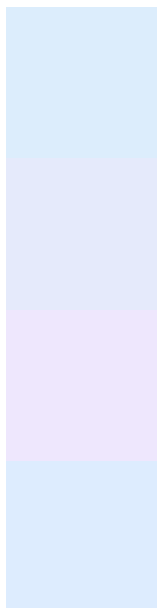




Tritanopia

77.8642, 82.5831, 106.4440

Trichromacy



Original Color

77.3701, 82.8123, 104.0020

Protanomaly

79.1485, 82.4687, 103.0133

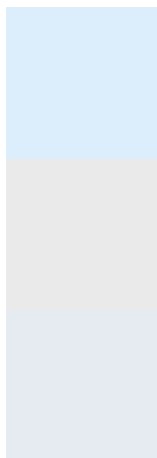
Deuteranomaly

81.5654, 82.4208, 104.5384

Tritanomaly

77.7036, 82.5188, 105.5982

Monochromacy



Original Color

77.3701, 82.8123, 104.0020

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8986, 82.4255, 95.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3701, 82.8123, 104.0020 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, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(220, 237, 252)  
}
```

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, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 237, 252) }
```

Border

The CSS property to change the border of an element to XYZ 77.3701, 82.8123, 104.0020 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, 237, 252) }
```


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

```
.border{ border-color:rgb(220, 237, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 237, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(220, 237,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3701, 82.8123, 104.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 237, 252) }
```

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

```
.background{ background-color: rgb(220,  
237, 252) }
```

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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