

Converting Colors

XYZ(77.8162, 83.0584,
103.1873)

Have a look what the booklet for
XYZ(77.8162, 83.0584, 103.1873)
contains.

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Color

**XYZ(77.8210, 83.0630,
103.1979)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEDFB
RGB	222, 237, 251
RGB Percent	87%, 93%, 98%
CMY	0.1294, 0.0706, 0.0157
CMYK	0.12, 0.06, 0.00, 0.02
HSL	209°, 78%, 93%
HSV	209°, 12%, 98%
XYZ	77.8210, 83.0630, 103.1979
YIQ	234.1110, -13.4340, 1.1740

Conversions

Conversions Part 2

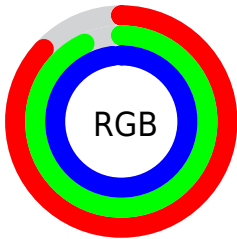
Format	Color
R _Y B	222, 232, 251
Decimal	14609915
CIE Lab	93.04, -2.25, -8.45
CIE LCh	93, 8.747, 255.102
Yxy	83.0630, 0.2947, 0.3145
Android (android.graphics.Color)	4292799995 (0xFFDEEDFB)
YUV	234.1110, 8.3263, -10.6213
Hunter-Lab	91.1389, -7.0769, -3.3377

Details

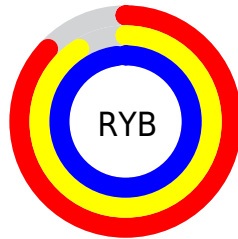
The XYZ color **77.8210, 83.0630, 103.1979** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9644, 85.7737, 81.2922**, and the grayscale version is **78.2390, 82.3136, 89.6395**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3105, 45.2034, 58.1249** is the 20% darker color. If you saturate the color by 10%, you get **67.3089, 72.6136, 101.7363**, and if you desaturate by 10%, it is **89.7194, 94.5833, 104.7957**.

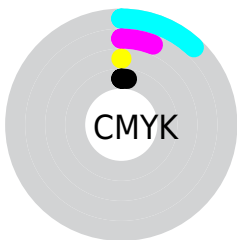
Distribution



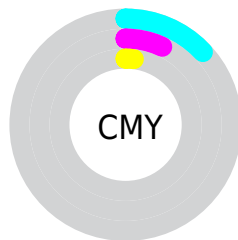
- Red (87%)
- Green (93%)
- Blue (98%)



- Red (87%)
- Yellow (91%)
- Blue (98%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8210, 83.0630, 103.1979 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 77.8210, 83.0630, 103.1979 by changing the saturation by 10% instead.

■ 77.8210, 83.0630,
103.1979

■ 77.8210, 83.0630,
103.1979

476.4078,
505.1965, 591.7315

■ 58.2292, 62.2421,
78.3422

129.2645,
137.6637, 167.6350

■ 42.2369, 45.2284,
57.8370

161.8468,
172.2123, 208.0535

■ 29.4788, 31.6373,
41.2638

199.4902,
212.1056, 254.4967

■ 19.5894, 21.0846,
28.2040

242.5597,
257.7280, 307.3830

■ 12.2035, 13.1859,
18.2391

291.4209,
309.4639, 367.1312

■ 6.9556, 7.5567,
10.9506

346.4391,

■ 3.4804, 3.8126,

367.6977, 434.1596

5.9199

407.9796,
432.8137, 508.8869

■ 1.4126, 1.5693,
2.7284

■ 0.2652, 0.3368,
0.9577

■ 77.8210, 83.0630,
103.1979

■ 77.8210, 83.0630,
103.1979

■ 67.3089, 72.6136,
101.7363

■ 89.7194, 94.5833,
104.7957

■ 58.1207, 63.1894,
100.4015

■ 94.4128, 99.7451,
105.5447

■ 50.1999, 54.7564,
99.1913

■ 43.4829, 47.2744,
98.1011

■ 37.9000, 40.6999,
97.1264

■ 33.3734, 34.9849,
96.2618

■ 29.8145, 30.0757,
95.5018

■ 27.1175, 25.9090,
94.8397

■ 25.3764, 22.8923,
94.3492

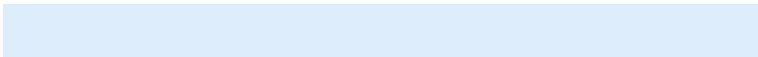
Harmonies

Analogous

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



75.8782, 83.0630, 99.6818



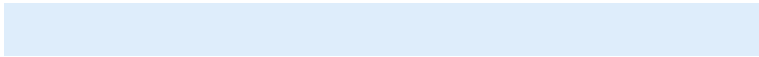
77.8210, 83.0630, 103.1979



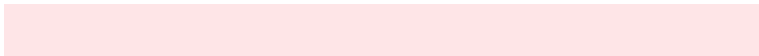
80.1029, 83.0630, 103.1852

Triad

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



77.8210, 83.0630, 103.1979



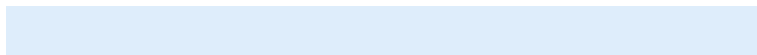
83.2815, 83.0630, 87.1922



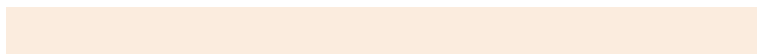
75.8675, 83.0630, 81.8202

Complementary

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



77.8210, 83.0630, 103.1979



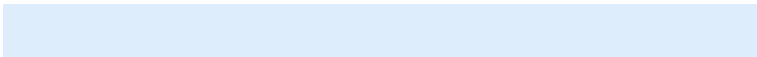
82.9644, 85.7737, 81.2922

Split Complementary

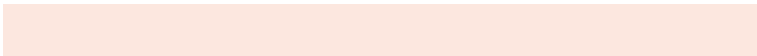
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8060, 83.0630, 78.7927



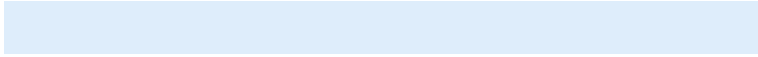
77.8210, 83.0630, 103.1979



82.1013, 83.0630, 81.7906

Square

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



77.8210, 83.0630, 103.1979



83.2857, 83.0630, 93.7262



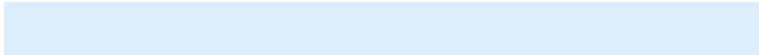
80.0876, 83.0630, 78.7821



74.7653, 83.0630, 87.2345

Rectangle

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



77.8210, 83.0630, 103.1979



81.5108, 83.0630, 101.1678



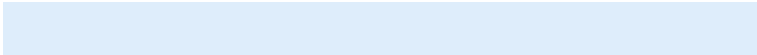
80.0876, 83.0630, 78.7821



76.4412, 83.0630, 80.5015

Sweetspot

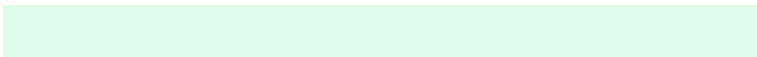
The Sweet Spot groups the original color and five complimentary colors.



77.8234, 83.0665, 103.1997



91.1247, 96.2447, 108.3820



79.6954, 90.5544, 92.2817



19.2847, 20.3892, 23.1690



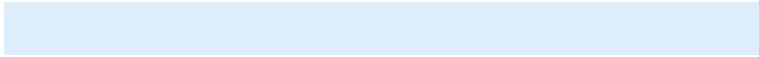
0.0000, 0.0000, 0.0000



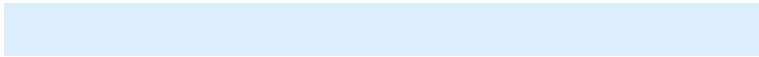
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8234, 83.0665, 103.1997



77.8612, 83.3416, 106.5906



73.9171, 75.2539, 101.8976



17.0258, 18.1285, 21.9871



13.4854, 12.3264, 49.6420



1.3552, 1.3540, 4.6331

Inverse Universe

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



81.1929, 78.8680, 91.0685



82.0486, 78.2392, 91.4888



87.1658, 94.1765, 82.6926



17.6196, 17.3752, 19.8525



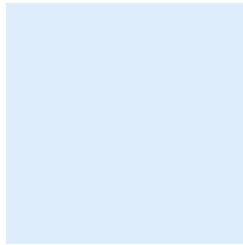
23.0988, 11.6553, 12.4948



2.1929, 1.1009, 1.4395

Previews

White Background



This preview shows how the XYZ color 77.8210, 83.0630, 103.1979 looks on a white background.

Color Contrast Check

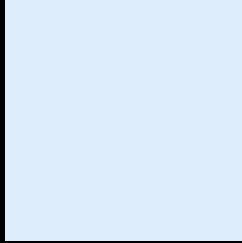
Large Text (above 18pt) WCAG AA × Fail

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 77.8210, 83.0630, 103.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

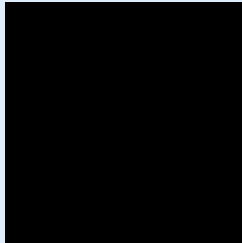
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

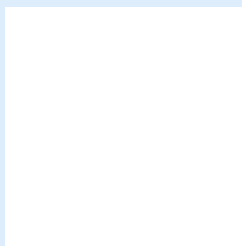
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8210, 83.0630, 103.1979

Background



This preview shows how black text looks on a background with the XYZ color 77.8210, 83.0630, 103.1979.

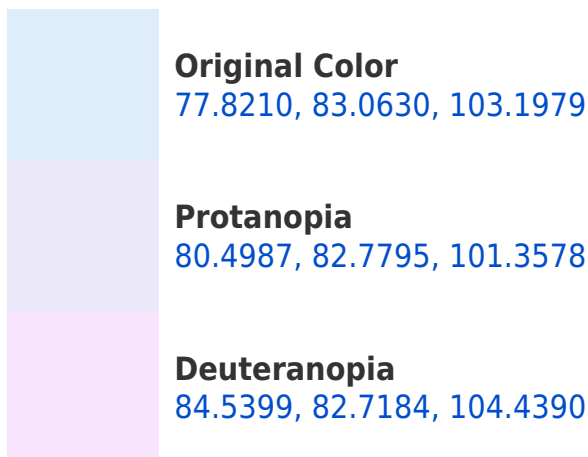


This preview shows how white text looks on a background with the XYZ color 77.8210, 83.0630,

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

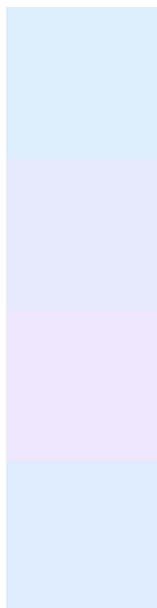




Tritanopia

78.4769, 82.8989, 106.4727

Trichromacy



Original Color

77.8210, 83.0630, 103.1979

Protanomaly

79.3113, 82.5708, 102.2001

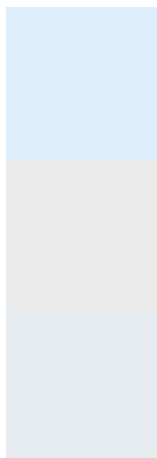
Deuteranomaly

81.7432, 82.5308, 103.7172

Tritanomaly

78.3163, 82.8346, 105.6269

Monochromacy



Original Color

77.8210, 83.0630, 103.1979

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0696, 82.5309, 94.2534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8210, 83.0630, 103.1979 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, 237, 251)` looks like.

```
.text, #text, p{  
    color:rgb(222, 237, 251)  
}
```

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, 237, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 237, 251) }
```

Border

The CSS property to change the border of an element to XYZ 77.8210, 83.0630, 103.1979 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, 237, 251) }
```


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

```
.border{ border-color:rgb(222, 237, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 237, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 237, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 237, 251);  
box-shadow:4px 4px 4px 4px rgb(222, 237,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8210, 83.0630, 103.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 237, 251) }
```

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

```
.background{ background-color: rgb(222,  
237, 251) }
```

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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