

Converting Colors

XYZ(77.5281, 83.4146,
104.7311)

Have a look what the booklet for
XYZ(77.5281, 83.4146, 104.7311)
contains.

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Color

**XYZ(77.5176, 83.3010,
104.9216)**

Conversions

Conversions Part 1

Format	Color
Hex	DBEEFD
RGB	219, 238, 253
RGB Percent	86%, 93%, 99%
CMY	0.1412, 0.0666, 0.0078
CMYK	0.13, 0.06, 0.00, 0.01
HSL	206°, 89%, 93%
HSV	206°, 13%, 99%
XYZ	77.5176, 83.3010, 104.9216
YIQ	234.0290, -16.1390, 0.6370

Conversions

Conversions Part 2

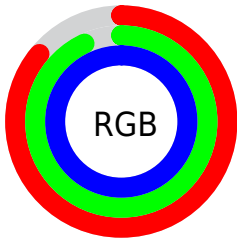
Format	Color
R _Y B	219, 231, 253
Decimal	14413565
CIE Lab	93.15, -3.31, -9.36
CIE LCh	93, 9.928, 250.549
Yxy	83.3010, 0.2917, 0.3135
Android (android.graphics.Color)	4292603645 (0xFFDBEEFD)
YUV	234.0290, 9.3527, -13.1804
Hunter-Lab	91.2694, -8.1165, -4.2701

Details

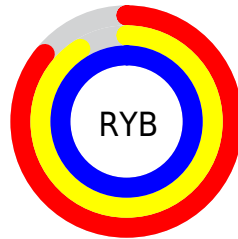
The XYZ color **77.5176, 83.3010, 104.9216** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7176, 84.8425, 79.0360**, and the grayscale version is **78.1709, 82.2419, 89.5614**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0016, 45.3339, 58.7612** is the 20% darker color. If you saturate the color by 10%, you get **67.3286, 73.3757, 103.5442**, and if you desaturate by 10%, it is **89.0698, 94.2324, 106.4240**.

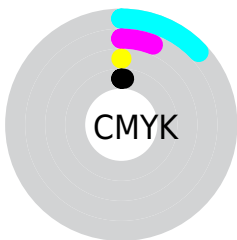
Distribution



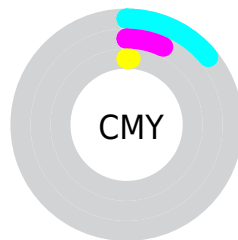
- Red (86%)
- Green (93%)
- Blue (99%)



- 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 77.5176, 83.3010, 104.9216 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 77.5176, 83.3010, 104.9216 by changing the saturation by 10% instead.

■ 77.5176, 83.3010,
104.9216

■ 77.5176, 83.3010,
104.9216

475.3919,
505.9891, 597.2401

■ 57.9792, 62.4385,
79.7774

128.8388,
137.9970, 170.0149

■ 42.0351, 45.3871,
59.0101

161.3524,
172.5992, 210.8012

■ 29.3200, 31.7624,
42.2012

198.9217,
212.5501, 257.6385

■ 19.4685, 21.1801,
28.9321

241.9121,
258.2342, 310.9454

■ 12.1153, 13.2557,
18.7843

290.6889,
310.0357, 371.1405

■ 6.8950, 7.6049,
11.3393

345.6176,

■ 3.4423, 3.8432,

368.3391, 438.6422

6.1785

407.0635,
433.5288, 513.8693

■ 1.3917, 1.5862,
2.8834

■ 0.2503, 0.3483,
1.0354

■ 77.5176, 83.3010,
104.9216

■ 77.5176, 83.3010,
104.9216

■ 67.3286, 73.3757,
103.5442

■ 89.0698, 94.2324,
106.4240

■ 58.4396, 64.4121,
102.2825

94.7299, 99.8720,
107.2142

■ 50.7935, 56.3773,
101.1346

■ 44.3255, 49.2322,
100.0964

■ 38.9644, 42.9343,
99.1633

■ 34.6305, 37.4365,
98.3306

■ 31.2323, 32.6853,
97.5926

■ 28.6587, 28.6169,
96.9430

■ 27.3149, 26.2620,
96.5593

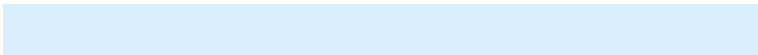
Harmonies

Analogous

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



75.4270, 83.3010, 100.3570



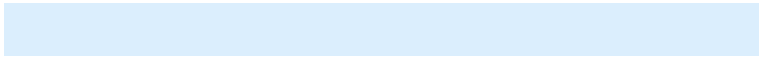
77.5176, 83.3010, 104.9216



80.0963, 83.3010, 105.5584

Triad

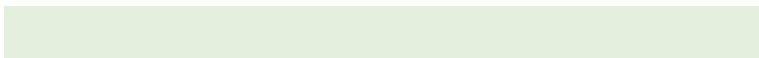
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5176, 83.3010, 104.9216



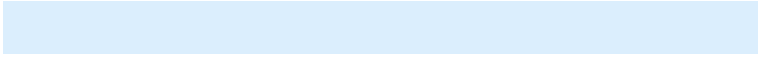
84.2059, 83.3010, 88.0977



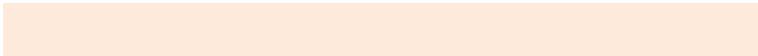
75.9609, 83.3010, 80.2239

Complementary

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



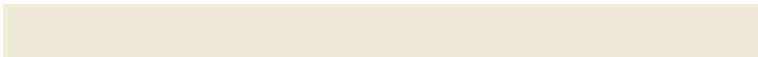
77.5176, 83.3010, 104.9216



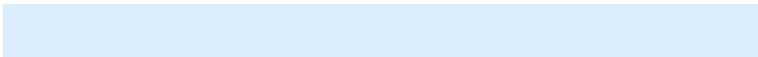
82.7176, 84.8425, 79.0360

Split Complementary

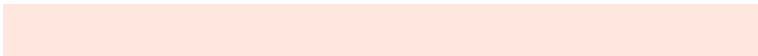
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2610, 83.3010, 77.3069



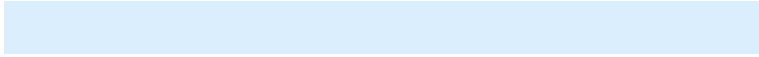
77.5176, 83.3010, 104.9216



83.0453, 83.3010, 81.6844

Square

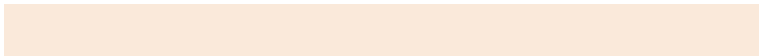
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5176, 83.3010, 104.9216



83.9963, 83.3010, 95.5656



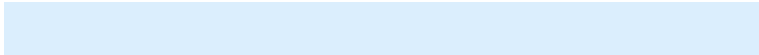
80.8561, 83.3010, 77.8265



74.5420, 83.3010, 86.0036

Rectangle

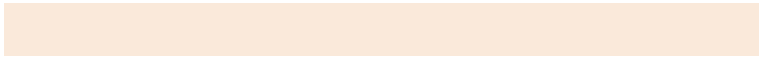
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5176, 83.3010, 104.9216



81.7503, 83.3010, 103.6339



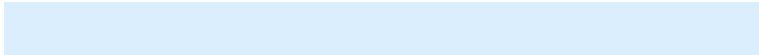
80.8561, 83.3010, 77.8265



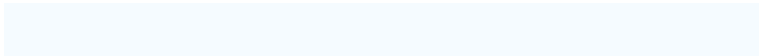
76.6546, 83.3010, 78.8908

Sweetspot

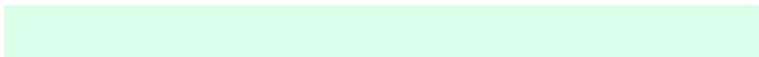
The Sweet Spot groups the original color and five complimentary colors.



77.5201, 83.3045, 104.9235



89.9779, 95.2795, 108.2562



79.1532, 91.2373, 91.0815



19.0603, 20.2077, 23.1458



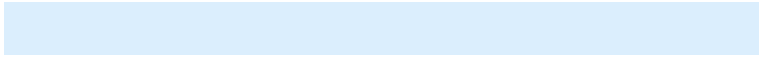
0.0000, 0.0000, 0.0000



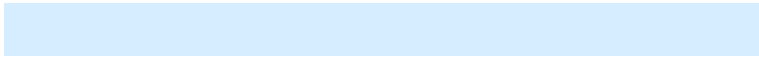
20.3446, 21.4041, 23.3091

Same Dimension

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



77.5201, 83.3045, 104.9235



76.1253, 82.1169, 106.4456



72.8716, 74.0075, 103.3740



17.8452, 19.0620, 22.9887



14.6781, 14.2657, 51.4145



1.5381, 1.6069, 5.0424

Inverse Universe

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



81.2741, 77.7206, 91.6109



80.6238, 75.5691, 90.4607



87.7095, 94.8264, 80.7000



18.4345, 18.1571, 20.9052



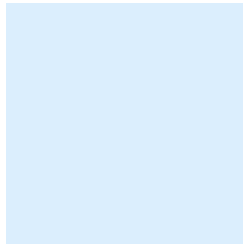
24.1970, 12.1681, 14.9538



2.4110, 1.2068, 1.7455

Previews

White Background



This preview shows how the XYZ color 77.5176, 83.3010, 104.9216 looks on a white background.

Color Contrast Check

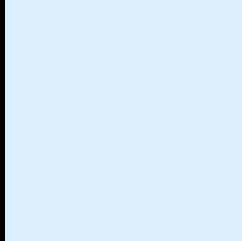
Large Text (above 18pt) WCAG AA × Fail

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 77.5176, 83.3010, 104.9216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

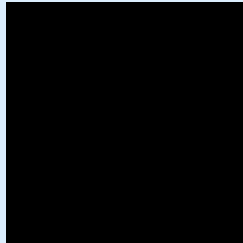
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

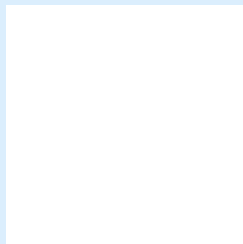
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5176, 83.3010, 104.9216

Background



This preview shows how black text looks on a background with the XYZ color 77.5176, 83.3010, 104.9216.



This preview shows how white text looks on a background with the XYZ color 77.5176, 83.3010,

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

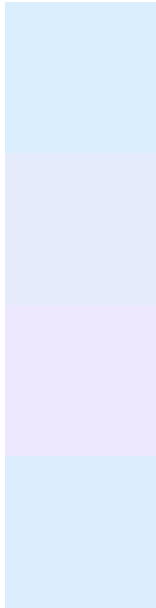




Tritanopia

78.1530, 83.1605, 106.5402

Trichromacy



Original Color

77.5176, 83.3010, 104.9216

Protanomaly

79.4340, 83.0397, 103.1084

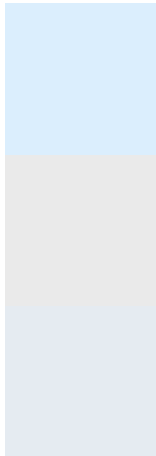
Deuteranomaly

82.0059, 83.0461, 105.4733

Tritanomaly

77.6888, 82.9398, 105.6803

Monochromacy



Original Color

77.5176, 83.3010, 104.9216

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 77.5176, 83.3010, 104.9216 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(219, 238, 253)` looks like.

```
.text, #text, p{  
    color:rgb(219, 238, 253)  
}
```

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(219, 238, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 238, 253) }
```

Border

The CSS property to change the border of an element to XYZ 77.5176, 83.3010, 104.9216 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(219, 238, 253) }
```


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

```
.border{ border-color:rgb(219, 238, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 238, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 238, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 238, 253);  
box-shadow:4px 4px 4px 4px rgb(219, 238,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5176, 83.3010, 104.9216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 238, 253) }
```

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

```
.background{ background-color: rgb(219,  
238, 253) }
```

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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