

Converting Colors

XYZ(77.7400, 83.2335,
106.5761)

Have a look what the booklet for
XYZ(77.7400, 83.2335, 106.5761)
contains.

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Color

**XYZ(77.8380, 83.4291,
106.6087)**

Conversions

Conversions Part 1

Format	Color
Hex	DBEEFF
RGB	219, 238, 255
RGB Percent	86%, 93%, 100%
CMY	0.1412, 0.0666, 0.0000
CMYK	0.14, 0.07, 0.00, 0.00
HSL	208°, 100%, 93%
HSV	208°, 14%, 100%
XYZ	77.8380, 83.4291, 106.6087
YIQ	234.2570, -16.7810, 1.2590

Conversions

Conversions Part 2

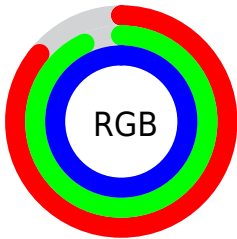
Format	Color
R _Y B	219, 231, 255
Decimal	14413567
CIE Lab	93.20, -2.90, -10.32
CIE LCh	93, 10.719, 254.279
Yxy	83.4291, 0.2906, 0.3114
Android (android.graphics.Color)	4292603647 (0xFFDBEEFF)
YUV	234.2570, 10.2263, -13.3804
Hunter-Lab	91.3395, -7.7295, -5.2638

Details

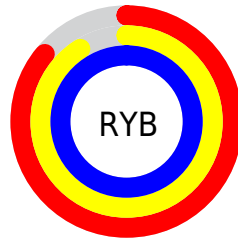
The XYZ color **77.8380, 83.4291, 106.6087** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0213, 86.3642, 79.2612**, and the grayscale version is **78.3373, 82.4170, 89.7521**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2308, 45.4256, 59.9683** is the 20% darker color. If you saturate the color by 10%, you get **67.3578, 72.9978, 105.1476**, and if you desaturate by 10%, it is **89.7322, 94.9417, 108.2039**.

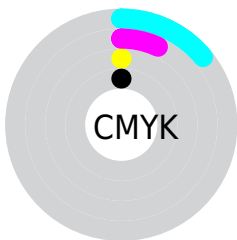
Distribution



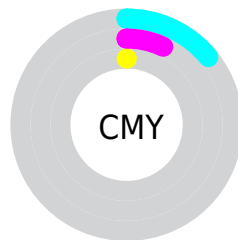
- Red (86%)
- Green (93%)
- Blue (100%)



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



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8380, 83.4291, 106.6087 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 77.8380, 83.4291, 106.6087 by changing the saturation by 10% instead.

■ 77.8380, 83.4291,
106.6087

■ 77.8380, 83.4291,
106.6087

476.4647,
506.4155, 602.6060

■ 58.2432, 62.5442,
81.1836

129.2883,
138.1763, 172.3406

■ 42.2482, 45.4726,
60.1609

161.8745,
172.8074, 213.4844

■ 29.4877, 31.8298,
43.1222

199.5220,
212.7893, 260.7049

■ 19.5962, 21.2315,
29.6489

242.5960,
258.5065, 314.4206

■ 12.2084, 13.2934,
19.3225

291.4619,
310.3433, 375.0500

■ 6.9590, 7.6309,
11.7243

346.4851,

■ 3.4826, 3.8597,

368.6841, 443.0117

6.4360

408.0309,
433.9134, 518.7242

■ 1.4138, 1.5954,
3.0389

■ 0.2660, 0.3545,
1.1145

■ 77.8380, 83.4291,
106.6087

■ 77.8380, 83.4291,
106.6087

■ 67.3578, 72.9978,
105.1476

■ 89.7322, 94.9417,
108.2039

■ 58.2271, 63.6013,
103.8151

95.0500, 100.0000,
108.9000

■ 50.3860, 55.2038,
102.6075

■ 43.7672, 47.7636,
101.5203

■ 38.2967, 41.2350,
100.5484

■ 33.8916, 35.5676,
99.6867

■ 30.4561, 30.7041,
98.9290

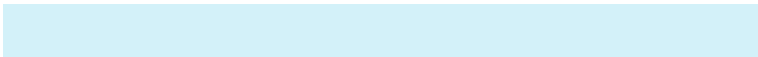
■ 27.8744, 26.5763,
98.2683

■ 26.6596, 24.4393,
97.9199

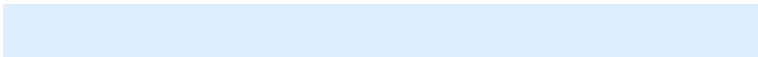
Harmonies

Analogous

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



75.4811, 83.4291, 102.1086



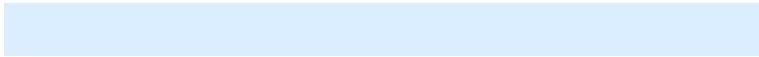
77.8380, 83.4291, 106.6087



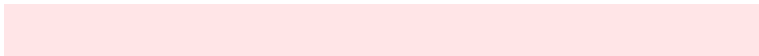
80.6406, 83.4291, 106.7212

Triad

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



77.8380, 83.4291, 106.6087



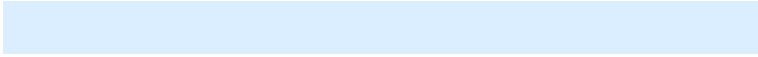
84.6638, 83.4291, 87.0667



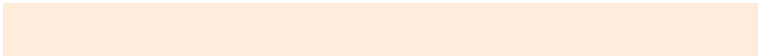
75.5744, 83.4291, 80.1785

Complementary

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



77.8380, 83.4291, 106.6087



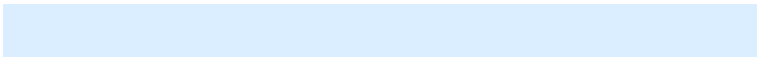
84.0213, 86.3642, 79.2612

Split Complementary

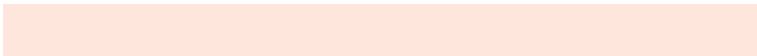
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9681, 83.4291, 76.6183



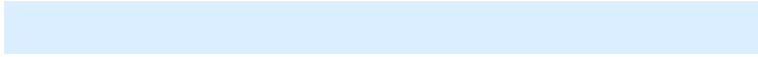
77.8380, 83.4291, 106.6087



83.2391, 83.4291, 80.4327

Square

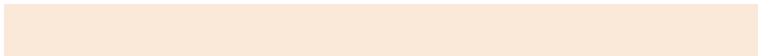
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8380, 83.4291, 106.6087



84.6269, 83.4291, 95.1092



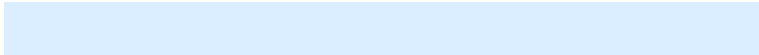
80.7738, 83.4291, 76.7085



74.1954, 83.4291, 86.7007

Rectangle

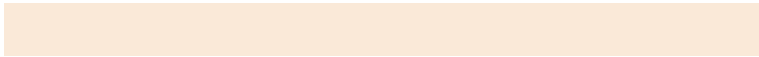
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8380, 83.4291, 106.6087



82.3875, 83.4291, 104.2732



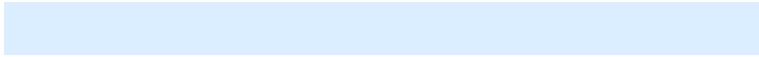
80.7738, 83.4291, 76.7085



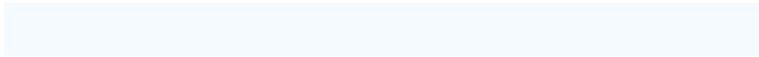
76.2845, 83.4291, 78.6133

Sweetspot

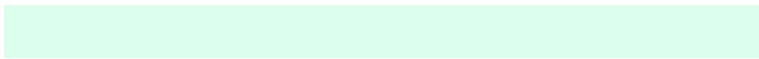
The Sweet Spot groups the original color and five complimentary colors.



77.8402, 83.4325, 106.6092



89.8794, 95.0824, 108.2233



80.0857, 92.6251, 92.8632



19.0354, 20.1579, 23.1375



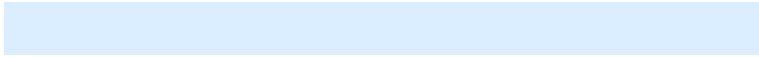
0.0000, 0.0000, 0.0000



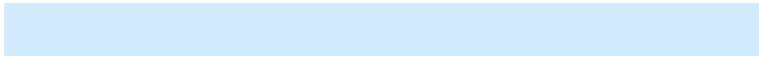
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8402, 83.4325, 106.6092



74.6756, 80.3151, 106.1743



72.9106, 73.5733, 104.9660



17.7968, 18.9651, 22.9726



14.0811, 13.0717, 51.2155



1.4805, 1.4916, 5.0232

Inverse Universe

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



82.0056, 78.0978, 91.6450



79.6242, 74.1434, 88.3589



89.4049, 97.1314, 81.0558



18.4101, 18.1473, 20.7765



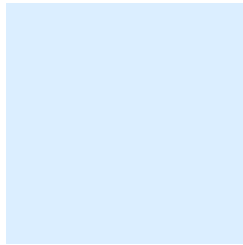
23.8957, 12.0476, 13.3669



2.3819, 1.1951, 1.5924

Previews

White Background



This preview shows how the XYZ color 77.8380, 83.4291, 106.6087 looks on a white background.

Color Contrast Check

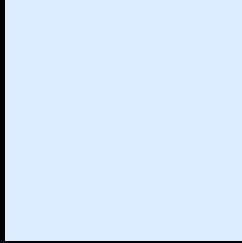
Large Text (above 18pt) WCAG AA × Fail

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 77.8380, 83.4291, 106.6087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

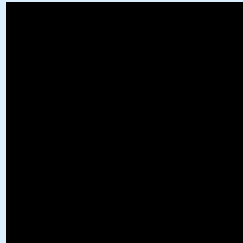
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

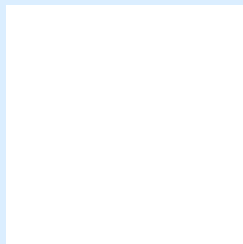
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8380, 83.4291, 106.6087

Background



This preview shows how black text looks on a background with the XYZ color 77.8380, 83.4291, 106.6087.



This preview shows how white text looks on a background with the XYZ color 77.8380, 83.4291,

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

77.8380, 83.4291, 106.6087

Protanopia

80.9252, 83.3663, 103.9216

Deuteranopia

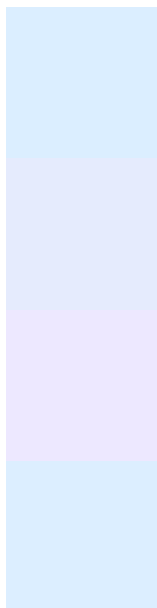
84.4271, 83.0328, 106.1849



Tritanopia

78.4433, 83.7412, 106.6370

Trichromacy



Original Color

77.8380, 83.4291, 106.6087

Protanomaly

79.7511, 83.1665, 104.7779

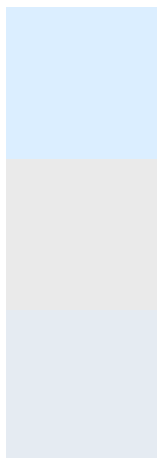
Deuteranomaly

81.8317, 82.9378, 106.3033

Tritanomaly

78.1397, 83.5847, 106.6228

Monochromacy



Original Color

77.8380, 83.4291, 106.6087

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0484, 82.4855, 95.8121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8380, 83.4291, 106.6087 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 238, 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(219, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8380, 83.4291, 106.6087 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, 255) }
```


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

```
.border{ border-color:rgb(219, 238, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8380, 83.4291, 106.6087 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, 255) }
```

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

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