

Converting Colors

XYZ(77.9601, 83.2598,
106.5696)

Have a look what the booklet for
XYZ(77.9601, 83.2598, 106.5696)
contains.

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Color

**XYZ(77.8494, 83.0040,
106.5260)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEDFF
RGB	220, 237, 255
RGB Percent	86%, 93%, 100%
CMY	0.1372, 0.0706, 0.0000
CMYK	0.14, 0.07, 0.00, 0.00
HSL	211°, 100%, 93%
HSV	211°, 14%, 100%
XYZ	77.8494, 83.0040, 106.5260
YIQ	233.9690, -15.9100, 1.9940

Conversions

Conversions Part 2

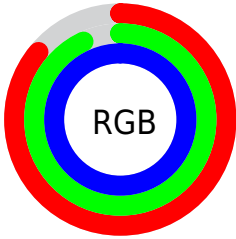
Format	Color
R _Y B	220, 231, 255
Decimal	14478847
CIE Lab	93.02, -2.08, -10.59
CIE LCh	93, 10.790, 258.881
Yxy	83.0040, 0.2912, 0.3104
Android (android.graphics.Color)	4292668927 (0xFFDCEDFF)
YUV	233.9690, 10.3683, -12.2508
Hunter-Lab	91.1065, -6.9104, -5.5501

Details

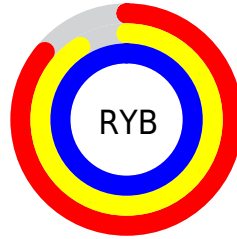
The XYZ color **77.8494, 83.0040, 106.5260** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.7324, 87.5750, 80.1496**, and the grayscale version is **78.1178, 82.1860, 89.5006**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2340, 45.1243, 59.9100** is the 20% darker color. If you saturate the color by 10%, you get **67.0544, 72.0101, 104.9729**, and if you desaturate by 10%, it is **90.1036, 95.1667, 108.2278**.

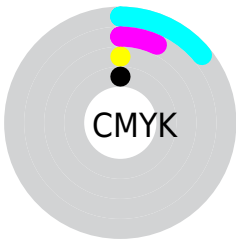
Distribution



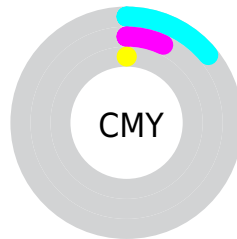
- Red (86%)
- Green (93%)
- Blue (100%)



- 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 77.8494, 83.0040, 106.5260 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 77.8494, 83.0040, 106.5260 by changing the saturation by 10% instead.

■ 77.8494, 83.0040,
106.5260

■ 77.8494, 83.0040,
106.5260

476.5029,
504.9999, 602.3436

■ 58.2526, 62.1935,
81.1146

129.3043,
137.5811, 172.2267

■ 42.2558, 45.1890,
60.1044

161.8931,
172.1164, 213.3531

■ 29.4936, 31.6063,
43.0770

199.5433,
211.9954, 260.5548

■ 19.6007, 21.0610,
29.6137

242.6203,
257.6025, 314.2505

■ 12.2117, 13.1686,
19.2960

291.4894,
309.3221, 374.8587

■ 6.9613, 7.5447,
11.7054

346.5160,

■ 3.4840, 3.8051,

367.5386, 442.7979

6.4233

408.0653,
432.6364, 518.4867

■ 1.4146, 1.5651,
3.0312

■ 0.2666, 0.3339,
1.1106

■ 77.8494, 83.0040,
106.5260

■ 77.8494, 83.0040,
106.5260

■ 67.0544, 72.0101,
104.9729

■ 90.1036, 95.1667,
108.2278

■ 57.6529, 62.1356,
103.5625

95.0500, 100.0000,
108.9000

■ 49.5838, 53.3423,
102.2905

■ 42.7784, 45.5855,
101.1520

■ 37.1616, 38.8165,
100.1414

■ 32.6492, 32.9819,
99.2531

■ 29.1444, 28.0213,
98.4803

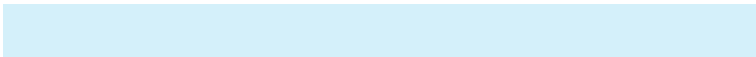
■ 26.5303, 23.8634,
97.8155

■ 25.2433, 21.6065,
97.4478

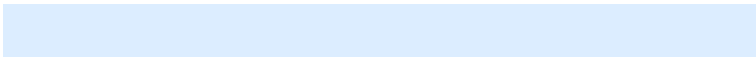
Harmonies

Analogous

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



75.3725, 83.0040, 102.6171



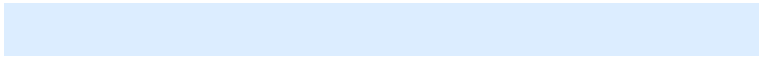
77.8494, 83.0040, 106.5260



80.6646, 83.0040, 105.9186

Triad

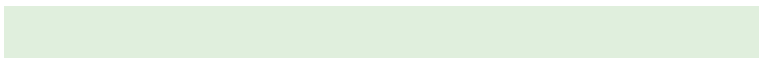
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8494, 83.0040, 106.5260



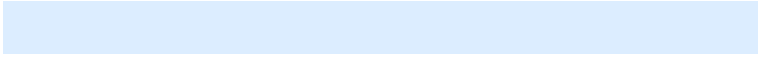
84.1476, 83.0040, 85.4335



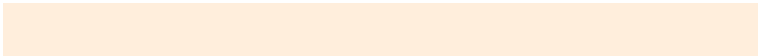
74.8690, 83.0040, 80.5232

Complementary

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



77.8494, 83.0040, 106.5260



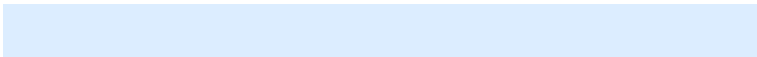
84.7324, 87.5750, 80.1496

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.



77.1472, 83.0040, 76.4357



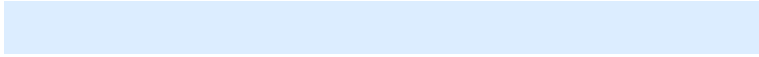
77.8494, 83.0040, 106.5260



82.5210, 83.0040, 79.1515

Square

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



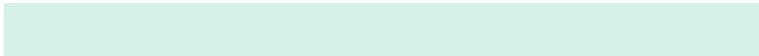
77.8494, 83.0040, 106.5260



84.3465, 83.0040, 93.4121



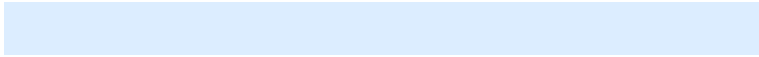
79.9455, 83.0040, 75.9490



73.6794, 83.0040, 87.4088

Rectangle

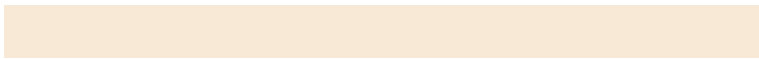
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8494, 83.0040, 106.5260



82.3536, 83.0040, 103.0429



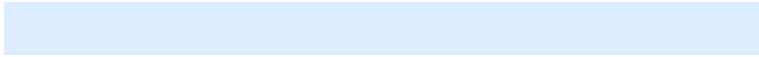
79.9455, 83.0040, 75.9490



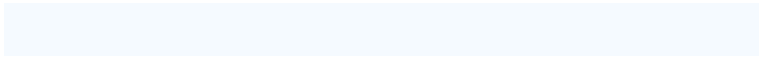
75.5304, 83.0040, 78.7944

Sweetspot

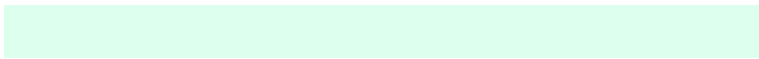
The Sweet Spot groups the original color and five complimentary colors.



77.8516, 83.0074, 106.5265



89.7461, 94.8158, 108.1789



80.6354, 92.8798, 94.1829



19.0017, 20.0904, 23.1263



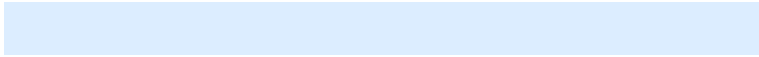
0.0000, 0.0000, 0.0000



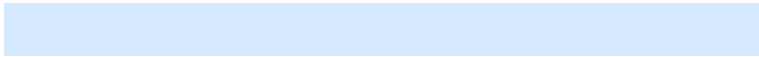
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8516, 83.0074, 106.5265



75.2689, 80.4042, 106.1602



73.1598, 73.6237, 104.9626



17.7314, 18.8345, 22.9508



13.3383, 11.5862, 50.9679



1.4075, 1.3458, 4.9989

Inverse Universe

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



82.1207, 78.5624, 90.9605



80.1916, 75.3962, 88.1845



89.9186, 97.9474, 81.8784



18.3771, 18.1341, 20.6029



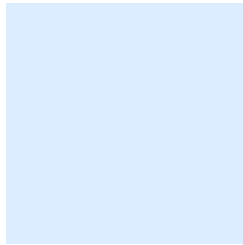
23.5208, 11.8976, 11.3927



2.3451, 1.1804, 1.3986

Previews

White Background



This preview shows how the XYZ color 77.8494, 83.0040, 106.5260 looks on a white background.

Color Contrast Check

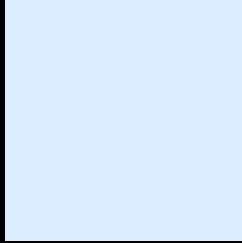
Large Text (above 18pt) WCAG AA × Fail

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 77.8494, 83.0040, 106.5260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

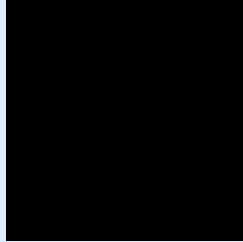
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

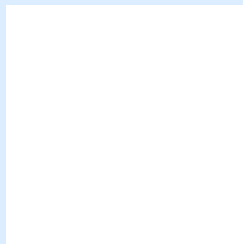
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8494, 83.0040, 106.5260

Background



This preview shows how black text looks on a background with the XYZ color 77.8494, 83.0040, 106.5260.



This preview shows how white text looks on a background with the XYZ color 77.8494, 83.0040,

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

77.8494, 83.0040, 106.5260

Protanopia

80.8002, 82.8621, 104.6639

Deuteranopia

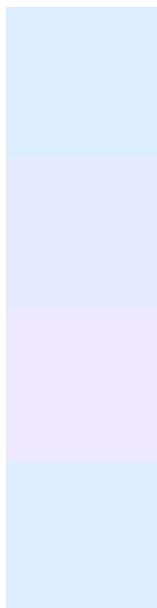
84.0753, 82.8515, 106.1684



Tritanopia

78.1530, 83.1605, 106.5402

Trichromacy



Original Color

77.8494, 83.0040, 106.5260

Protanomaly

79.6253, 82.6594, 105.5241

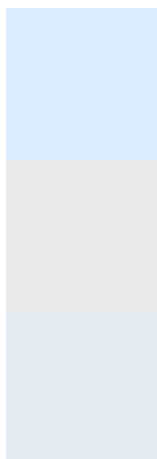
Deuteranomaly

81.8317, 82.9378, 106.3033

Tritanomaly

78.1530, 83.1605, 106.5402

Monochromacy



Original Color

77.8494, 83.0040, 106.5260

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 77.8494, 83.0040, 106.5260 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 237, 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(220, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8494, 83.0040, 106.5260 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, 255) }
```


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

```
.border{ border-color:rgb(220, 237, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8494, 83.0040, 106.5260 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, 255) }
```

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

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