

Converting Colors

XYZ(77.0103, 82.6608,
106.5040)

Have a look what the booklet for
XYZ(77.0103, 82.6608, 106.5040)
contains.

XYZ(76.9495, 82.5401, 106.4839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.9495, 82.5401,
106.4839)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EDFF
RGB	217, 237, 255
RGB Percent	85%, 93%, 100%
CMY	0.1490, 0.0706, 0.0000
CMYK	0.15, 0.07, 0.00, 0.00
HSL	208°, 100%, 93%
HSV	208°, 15%, 100%
XYZ	76.9495, 82.5401, 106.4839
YIQ	233.0720, -17.6980, 1.3580

Conversions

Conversions Part 2

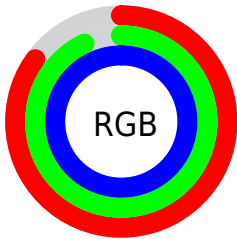
Format	Color
R _Y B	217, 230, 255
Decimal	14282239
CIE Lab	92.81, -3.01, -10.91
CIE LCh	93, 11.320, 254.563
Yxy	82.5401, 0.2893, 0.3103
Android (android.graphics.Color)	4292472319 (0xFFD9EDFF)
YUV	233.0720, 10.8105, -14.0951
Hunter-Lab	90.8516, -7.8043, -5.8956

Details

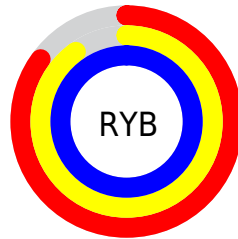
The XYZ color **76.9495, 82.5401, 106.4839** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4723, 85.6851, 77.7868**, and the grayscale version is **77.4390, 81.4718, 88.7228**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6172, 44.8063, 59.8811** is the 20% darker color. If you saturate the color by 10%, you get **66.5684, 72.1735, 105.0301**, and if you desaturate by 10%, it is **88.7416, 93.9880, 108.0721**.

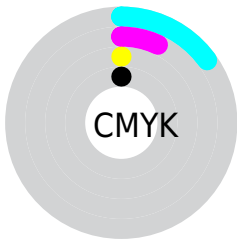
Distribution



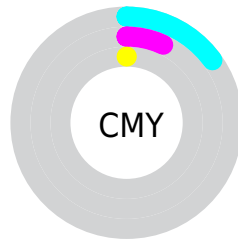
- Red (85%)
- Green (93%)
- Blue (100%)



- Red (85%)
- Yellow (90%)
- Blue (100%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9495, 82.5401, 106.4839 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 76.9495, 82.5401, 106.4839 by changing the saturation by 10% instead.

■ 76.9495, 82.5401,
106.4839

■ 76.9495, 82.5401,
106.4839

473.4864,
503.4525, 602.2099

■ 57.5112, 61.8108,
81.0795

128.0414,
136.9311, 172.1687

■ 41.6576, 44.8799,
60.0757

160.4257,
171.3617, 213.2862

■ 29.0232, 31.3628,
43.0539

197.8561,
211.1282, 260.4784

■ 19.2427, 20.8753,
29.5957

240.6979,
256.6149, 314.1639

■ 11.9508, 13.0329,
19.2825

289.3165,
308.2063, 374.7613

■ 6.7822, 7.4512,
11.6957

344.0772,

■ 3.3714, 3.7458,

366.2868, 442.6891

6.4168

405.3454,
431.2407, 518.3658

■ 1.3531, 1.5324,
3.0273

■ 0.2224, 0.3114,
1.1086

■ 76.9495, 82.5401,
106.4839

■ 76.9495, 82.5401,
106.4839

■ 66.5684, 72.1735,
105.0301

■ 88.7416, 93.9880,
108.0721

■ 57.5336, 62.8415,
103.7050

95.0500, 100.0000,
108.9000

■ 49.7846, 54.5081,
102.5049

■ 43.2536, 47.1311,
101.4252

■ 37.8660, 40.6644,
100.4610

■ 33.5381, 35.0572,
99.6068

■ 30.1727, 30.2512,
98.8565

■ 27.6518, 26.1772,
98.2030

■ 26.6078, 24.3356,
97.9026

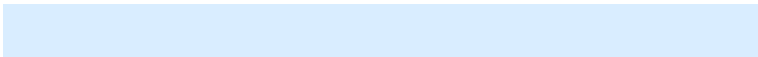
Harmonies

Analogous

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



74.4737, 82.5401, 101.7780



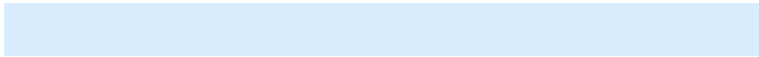
76.9495, 82.5401, 106.4839



79.8889, 82.5401, 106.5559

Triad

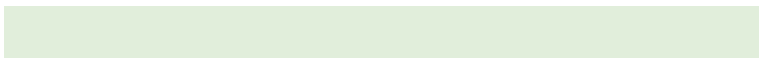
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9495, 82.5401, 106.4839



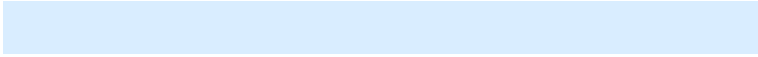
84.0795, 82.5401, 85.8432



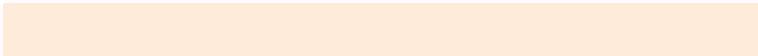
74.5330, 82.5401, 78.7720

Complementary

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



76.9495, 82.5401, 106.4839



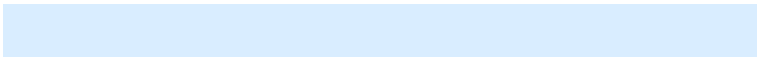
83.4723, 85.6851, 77.7868

Split Complementary

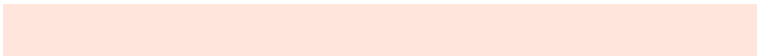
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0322, 82.5401, 75.0276



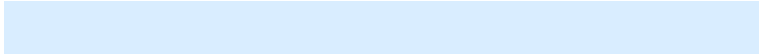
76.9495, 82.5401, 106.4839



82.5692, 82.5401, 78.9329

Square

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



76.9495, 82.5401, 106.4839



84.0560, 82.5401, 94.2726



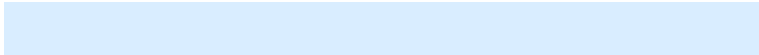
79.9737, 82.5401, 75.0846



73.1026, 82.5401, 85.6108

Rectangle

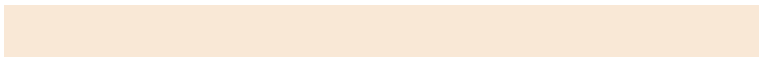
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



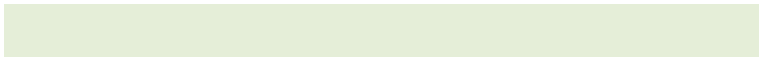
76.9495, 82.5401, 106.4839



81.7189, 82.5401, 103.9464



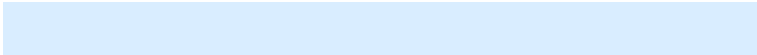
79.9737, 82.5401, 75.0846



75.2731, 82.5401, 77.1293

Sweetspot

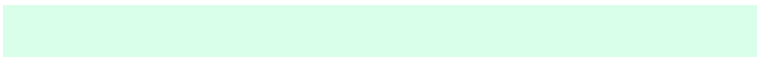
The Sweet Spot groups the original color and five complimentary colors.



76.9517, 82.5434, 106.4844



89.8747, 95.0731, 108.2218



79.3331, 92.2549, 92.0221



19.0342, 20.1555, 23.1371



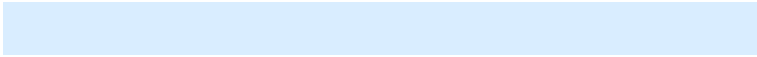
0.0000, 0.0000, 0.0000



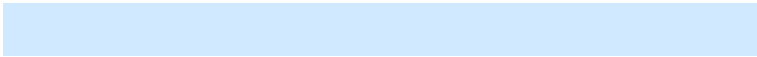
20.3446, 21.4041, 23.3091

Same Dimension

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



76.9517, 82.5434, 106.4844



73.5861, 79.2165, 106.0197



71.8073, 72.2546, 104.7696



17.7945, 18.9606, 22.9718



14.0539, 13.0174, 51.2065



1.4778, 1.4863, 5.0223

Inverse Universe

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



81.3403, 77.0018, 90.7004



78.8105, 72.8082, 87.1872



89.1220, 96.9844, 79.6700



18.4089, 18.1469, 20.7704



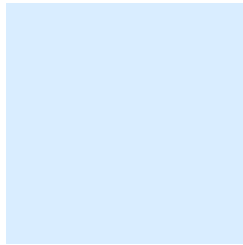
23.8820, 12.0421, 13.2948



2.3805, 1.1946, 1.5854

Previews

White Background



This preview shows how the XYZ color 76.9495, 82.5401, 106.4839 looks on a white background.

Color Contrast Check

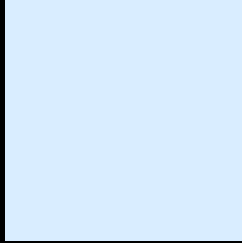
Large Text (above 18pt) WCAG AA × Fail

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 76.9495, 82.5401, 106.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

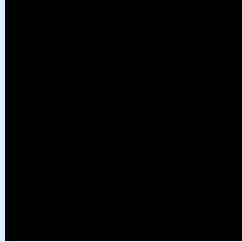
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

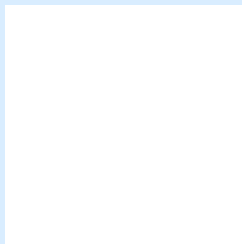
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9495, 82.5401, 106.4839

Background



This preview shows how black text looks on a background with the XYZ color 76.9495, 82.5401, 106.4839.



This preview shows how white text looks on a background with the XYZ color 76.9495, 82.5401,

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

76.9495, 82.5401, 106.4839

Protanopia

80.3139, 82.6297, 103.8116

Deuteranopia

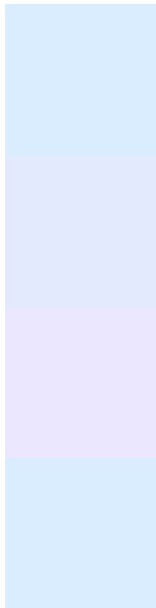
83.4496, 82.1193, 106.0601



Tritanopia

77.2476, 82.6938, 106.4979

Trichromacy



Original Color

76.9495, 82.5401, 106.4839

Protanomaly

78.8310, 82.2684, 104.6531

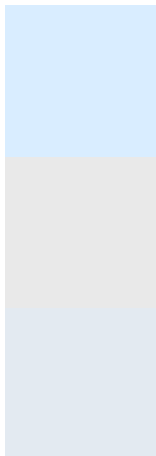
Deuteranomaly

80.8869, 82.0340, 106.1787

Tritanomaly

77.2476, 82.6938, 106.4979

Monochromacy



Original Color

76.9495, 82.5401, 106.4839

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.9786, 81.5274, 94.8982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9495, 82.5401, 106.4839 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(217, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.9495, 82.5401, 106.4839 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(217, 237, 255) }
```


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

```
.border{ border-color:rgb(217, 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(217, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9495, 82.5401, 106.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 237, 255) }
```

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

```
.background{ background-color: rgb(217,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor