

Converting Colors

XYZ(76.3943, 81.6062,
106.3357)

Have a look what the booklet for
XYZ(76.3943, 81.6062, 106.3357)
contains.

XYZ(76.3736, 81.3884, 106.2919)	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(76.3736, 81.3884,
106.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EBFF
RGB	217, 235, 255
RGB Percent	85%, 92%, 100%
CMY	0.1490, 0.0784, 0.0000
CMYK	0.15, 0.08, 0.00, 0.00
HSL	212°, 100%, 93%
HSV	212°, 15%, 100%
XYZ	76.3736, 81.3884, 106.2919
YIQ	231.8980, -17.1480, 2.4040

Conversions

Conversions Part 2

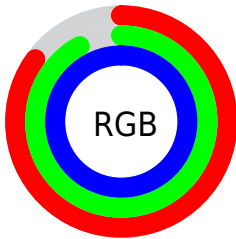
Format	Color
R _{YB}	217, 229, 255
Decimal	14281727
CIE Lab	92.30, -1.99, -11.67
CIE LCh	92, 11.837, 260.336
Yxy	81.3884, 0.2892, 0.3082
Android (android.graphics.Color)	4292471807 (0xFFD9EBFF)
YUV	231.8980, 11.3893, -13.0655
Hunter-Lab	90.2155, -6.7647, -6.7046

Details

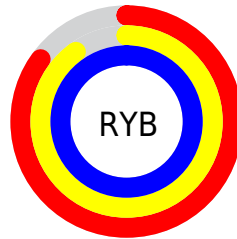
The XYZ color **76.3736, 81.3884, 106.2919** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0481, 86.8367, 77.9786**, and the grayscale version is **76.5540, 80.5408, 87.7090**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2134, 43.9988, 59.7465** is the 20% darker color. If you saturate the color by 10%, you get **65.6741, 70.3849, 104.7320**, and if you desaturate by 10%, it is **88.5384, 93.5818, 108.0044**.

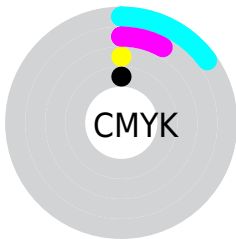
Distribution



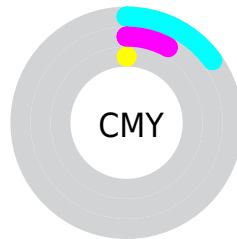
- Red (85%)
- Green (92%)
- Blue (100%)



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



- Cyan (15%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3736, 81.3884, 106.2919 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 76.3736, 81.3884, 106.2919 by changing the saturation by 10% instead.

■ 76.3736, 81.3884,
106.2919

■ 76.3736, 81.3884,
106.2919

471.5504,
499.5996, 601.6003

■ 57.0370, 60.8615,
80.9194

127.2324,
135.3160, 171.9042

■ 41.2752, 44.1134,
59.9446

159.4854,
169.4855, 212.9810

■ 28.7228, 30.7597,
42.9490

196.7745,
208.9714, 260.1298

■ 19.0145, 20.4159,
29.5140

239.4652,
254.1580, 313.7689

■ 11.7848, 12.6977,
19.2211

287.9228,
305.4297, 374.3170

■ 6.6685, 7.2207,
11.6517

342.5126,

■ 3.3001, 3.6005,

363.1710, 442.1925

6.3873

403.6000,
427.7661, 517.8142

■ 1.3144, 1.4527,
3.0094

■ 0.1940, 0.2551,
1.0995

■ 76.3736, 81.3884,
106.2919

■ 76.3736, 81.3884,
106.2919

■ 65.6741, 70.3849,
104.7320

■ 88.5384, 93.5818,
108.0044

■ 56.3733, 60.5211,
103.3183

95.0500, 100.0000,
108.9000

■ 48.4092, 51.7574,
102.0465

■ 41.7119, 44.0476,
100.9113

■ 36.2048, 37.3419,
99.9073

■ 31.8019, 31.5848,
99.0281

■ 28.4041, 26.7138,
98.2670

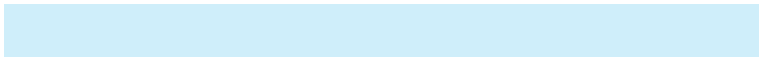
■ 25.8906, 22.6547,
97.6160

■ 24.8650, 20.8499,
97.3217

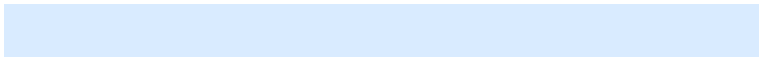
Harmonies

Analogous

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



73.6617, 81.3884, 102.2350



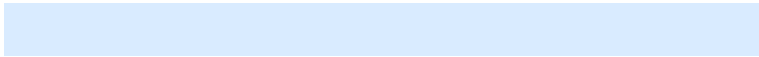
76.3736, 81.3884, 106.2919



79.4204, 81.3884, 105.3787

Triad

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



76.3736, 81.3884, 106.2919



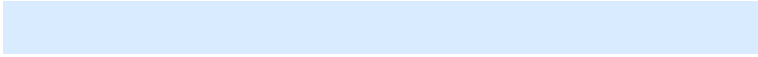
83.0073, 81.3884, 82.8893



72.9151, 81.3884, 78.2905

Complementary

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



76.3736, 81.3884, 106.2919



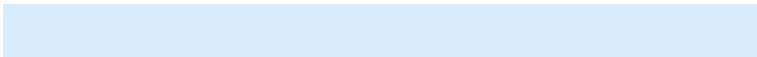
84.0481, 86.8367, 77.9786

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.



75.3301, 81.3884, 73.7362



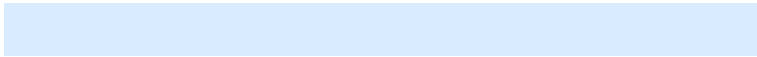
76.3736, 81.3884, 106.2919



81.1744, 81.3884, 76.2674

Square

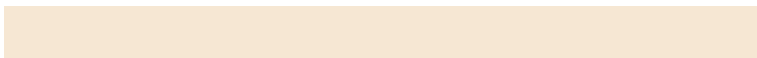
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3736, 81.3884, 106.2919



83.3045, 81.3884, 91.4774



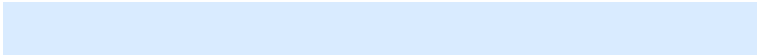
78.3493, 81.3884, 73.0209



71.6999, 81.3884, 85.8191

Rectangle

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



76.3736, 81.3884, 106.2919



81.2290, 81.3884, 102.0953



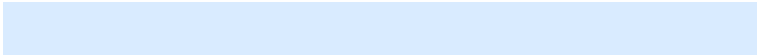
78.3493, 81.3884, 73.0209



73.6105, 81.3884, 76.3825

Sweetspot

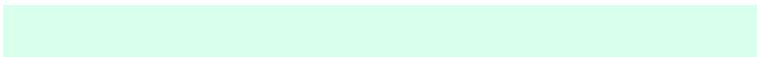
The Sweet Spot groups the original color and five complimentary colors.



76.3758, 81.3917, 106.2925



89.7080, 94.7396, 108.1662



79.6087, 92.3652, 93.4735



18.9920, 20.0711, 23.1231



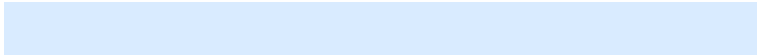
0.0000, 0.0000, 0.0000



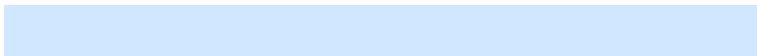
20.3446, 21.4041, 23.3091

Same Dimension

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



76.3758, 81.3917, 106.2925



72.9058, 77.8560, 105.7929



71.6681, 71.6963, 104.6692



17.7128, 18.7972, 22.9446



13.1395, 11.1885, 50.9017



1.3878, 1.3062, 4.9923

Inverse Universe

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



81.0496, 76.8854, 89.1697



78.4672, 72.6709, 85.3791



89.2921, 97.6700, 79.7933



18.3677, 18.1304, 20.5534



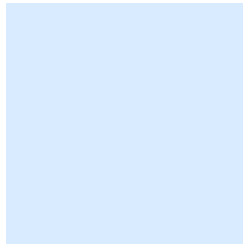
23.4204, 11.8575, 10.8642



2.3351, 1.1764, 1.3460

Previews

White Background



This preview shows how the XYZ color 76.3736, 81.3884, 106.2919 looks on a white background.

Color Contrast Check

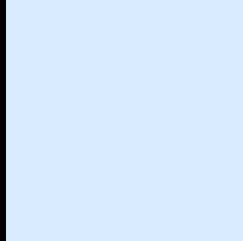
Large Text (above 18pt) WCAG AA × Fail

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 76.3736, 81.3884, 106.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

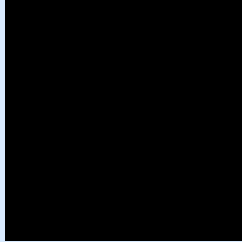
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

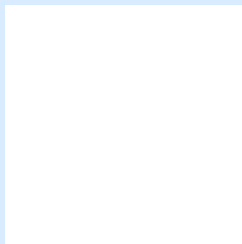
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3736, 81.3884, 106.2919

Background



This preview shows how black text looks on a background with the XYZ color 76.3736, 81.3884, 106.2919.



This preview shows how white text looks on a background with the XYZ color 76.3736, 81.3884,

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

76.3736, 81.3884, 106.2919

Protanopia

79.2605, 81.2326, 104.4305

Deuteranopia

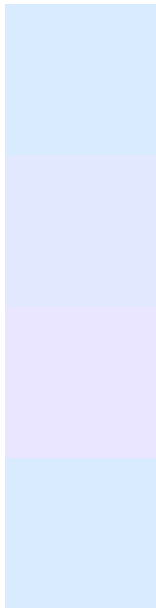
82.4812, 81.2129, 105.9362



Tritanopia

76.2130, 81.3241, 105.4462

Trichromacy



Original Color

76.3736, 81.3884, 106.2919

Protanomaly

78.1100, 81.0377, 105.2909

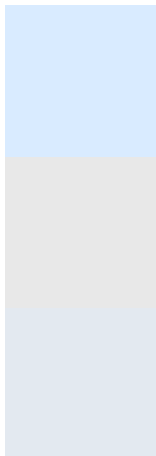
Deuteranomaly

80.2785, 81.3061, 106.0702

Tritanomaly

76.2130, 81.3241, 105.4462

Monochromacy



Original Color

76.3736, 81.3884, 106.2919

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.5456, 80.9000, 94.0189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3736, 81.3884, 106.2919 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.3736, 81.3884, 106.2919 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, 235, 255) }
```


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

```
.border{ border-color:rgb(217, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3736, 81.3884, 106.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 235, 255) }
```

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

```
.background{ background-color: rgb(217,  
235, 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