

Converting Colors

XYZ(76.8656, 80.2532,
108.1884)

Have a look what the booklet for
XYZ(76.8656, 80.2532, 108.1884)
contains.

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Color

**XYZ(76.4218, 80.1489,
106.0502)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE8FF
RGB	220, 232, 255
RGB Percent	86%, 91%, 100%
CMY	0.1372, 0.0902, 0.0000
CMYK	0.14, 0.09, 0.00, 0.00
HSL	219°, 100%, 93%
HSV	219°, 14%, 100%
XYZ	76.4218, 80.1489, 106.0502
YIQ	231.0340, -14.5350, 4.6090

Conversions

Conversions Part 2

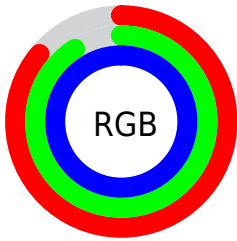
Format	Color
R _Y B	220, 229, 255
Decimal	14477567
CIE Lab	91.75, 0.49, -12.47
CIE LCh	92, 12.481, 272.262
Yxy	80.1489, 0.2910, 0.3052
Android (android.graphics.Color)	4292667647 (0xFFDCE8FF)
YUV	231.0340, 11.8152, -9.6768
Hunter-Lab	89.5259, -4.2978, -7.5653

Details

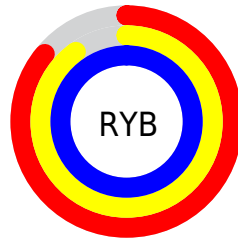
The XYZ color **76.4218, 80.1489, 106.0502** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2083, 90.5268, 80.6414**, and the grayscale version is **75.9054, 79.8584, 86.9658**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2354, 43.1272, 59.5771** is the 20% darker color. If you saturate the color by 10%, you get **64.7916, 67.4846, 104.2187**, and if you desaturate by 10%, it is **89.6831, 94.3258, 108.0876**.

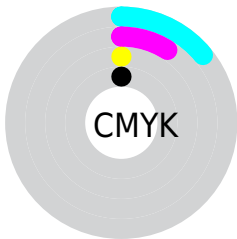
Distribution



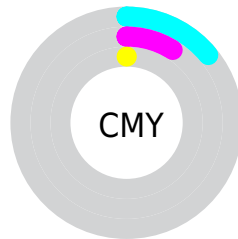
- Red (86%)
- Green (91%)
- Blue (100%)



- Red (86%)
- Yellow (90%)
- Blue (100%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4218, 80.1489, 106.0502 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 76.4218, 80.1489, 106.0502 by changing the saturation by 10% instead.

■ 76.4218, 80.1489,
106.0502

■ 76.4218, 80.1489,
106.0502

471.7126,
495.4345, 600.8324

■ 57.0767, 59.8409,
80.7179

127.3002,
133.5751, 171.5711

■ 41.3072, 43.2904,
59.7797

159.5641,
167.4620, 212.5968

■ 28.7479, 30.1130,
42.8169

196.8651,
206.6440, 259.6907

■ 19.0335, 19.9244,
29.4112

239.5685,
251.5056, 313.2714

■ 11.7987, 12.3401,
19.1438

288.0395,
302.4310, 373.7574

■ 6.6780, 6.9757,
11.5964

342.6437,

■ 3.3061, 3.4469,

359.8047, 441.5672

6.3503

403.7462,
424.0110, 517.1193

■ 1.3176, 1.3693,
2.9870

■ 0.1963, 0.1939,
1.0880

■ 76.4218, 80.1489,
106.0502

■ 76.4218, 80.1489,
106.0502

■ 64.7916, 67.4846,
104.2187

■ 89.6831, 94.3258,
108.0876

■ 54.7204, 56.2707,
102.5850

95.0500, 100.0000,
108.9000

■ 46.1400, 46.4548,
101.1426

■ 38.9744, 37.9775,
99.8840

■ 33.1405, 30.7743,
98.8011

■ 28.5456, 24.7749,
97.8852

■ 25.0839, 19.9005,
97.1269

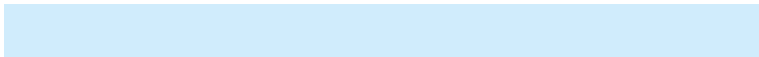
■ 22.6286, 16.0599,
96.5150

■ 21.4952, 14.1104,
96.1984

Harmonies

Analogous

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



73.3563, 80.1489, 103.7805



76.4218, 80.1489, 106.0502



79.5047, 80.1489, 103.0031

Triad

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



76.4218, 80.1489, 106.0502



81.4915, 80.1489, 78.2123



70.8715, 80.1489, 79.3354

Complementary

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



76.4218, 80.1489, 106.0502



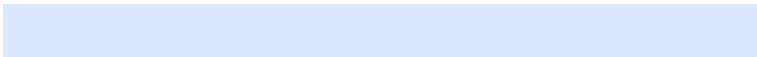
86.2083, 90.5268, 80.6414

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.



72.9476, 80.1489, 73.2239



76.4218, 80.1489, 106.0502



79.0735, 80.1489, 72.6080

Square

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



76.4218, 80.1489, 106.0502



82.4822, 80.1489, 86.5761



75.9370, 80.1489, 70.8466



70.2056, 80.1489, 87.9646

Rectangle

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



76.4218, 80.1489, 106.0502



81.1400, 80.1489, 98.4827



75.9370, 80.1489, 70.8466



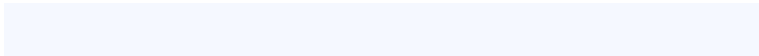
71.4247, 80.1489, 76.9397

Sweetspot

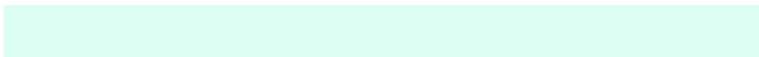
The Sweet Spot groups the original color and five complimentary colors.



76.4239, 80.1521, 106.0507



89.2956, 93.9149, 108.0287



81.4159, 93.1920, 98.2936



18.8878, 19.8627, 23.0883



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.



76.4239, 80.1521, 106.0507



73.6365, 77.1393, 105.6161



74.7737, 74.4556, 105.0381



17.5123, 18.3962, 22.8778



11.3560, 7.6215, 50.3072



1.2026, 0.9360, 4.9305

Inverse Universe

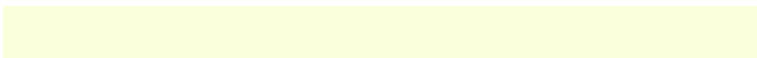
The Inverse Universe completely reimagines the original color for something new.



81.4000, 78.2740, 87.1660



79.3676, 75.0666, 83.8455



88.0135, 96.9653, 81.7890



18.2665, 18.0899, 20.0204



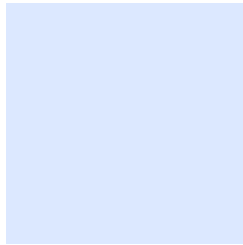
22.5202, 11.4974, 6.1237



2.2416, 1.1390, 0.8539

Previews

White Background



This preview shows how the XYZ color 76.4218, 80.1489, 106.0502 looks on a white background.

Color Contrast Check

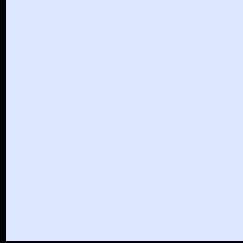
Large Text (above 18pt) WCAG AA × Fail

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 76.4218, 80.1489, 106.0502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

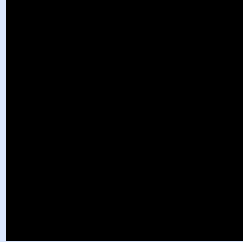
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.4218, 80.1489, 106.0502

Background



This preview shows how black text looks on a background with the XYZ color 76.4218, 80.1489, 106.0502.



This preview shows how white text looks on a background with the XYZ color 76.4218, 80.1489,

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

76.4218, 80.1489, 106.0502

Protanopia

78.3395, 80.3435, 104.3074

Deuteranopia

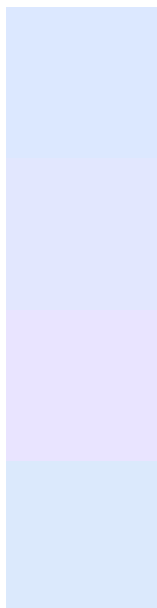
81.2508, 79.7712, 105.7227



Tritanopia

75.7649, 80.3029, 102.7736

Trichromacy



Original Color

76.4218, 80.1489, 106.0502

Protanomaly

77.8293, 80.4763, 105.1974

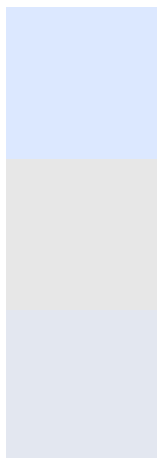
Deuteranomaly

79.3977, 80.0304, 105.8705

Tritanomaly

75.9230, 80.3662, 103.6061

Monochromacy



Original Color

76.4218, 80.1489, 106.0502

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.9826, 79.7740, 93.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4218, 80.1489, 106.0502 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.4218, 80.1489, 106.0502 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, 232, 255) }
```


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

```
.border{ border-color:rgb(220, 232, 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, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4218, 80.1489, 106.0502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 232, 255) }
```

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

```
.background{ background-color: rgb(220,  
232, 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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