

Converting Colors

XYZ(85.6938, 83.5896,
153.8720)

Have a look what the booklet for
XYZ(85.6938, 83.5896, 153.8720)
contains.

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Color

**XYZ(76.4447, 79.7440,
105.9708)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE7FF
RGB	221, 231, 255
RGB Percent	87%, 91%, 100%
CMY	0.1333, 0.0941, 0.0000
CMYK	0.13, 0.09, 0.00, 0.00
HSL	222°, 100%, 93%
HSV	222°, 13%, 100%
XYZ	76.4447, 79.7440, 105.9708
YIQ	230.7460, -13.6640, 5.3440

Conversions

Conversions Part 2

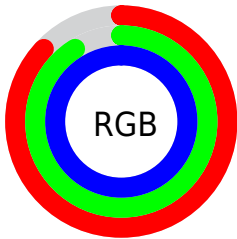
Format	Color
R _Y B	221, 229, 255
Decimal	14542847
CIE Lab	91.57, 1.32, -12.74
CIE LCh	92, 12.804, 275.929
Yxy	79.7440, 0.2916, 0.3042
Android (android.graphics.Color)	4292732927 (0xFFDDE7FF)
YUV	230.7460, 11.9572, -8.5472
Hunter-Lab	89.2995, -3.4695, -7.8492

Details

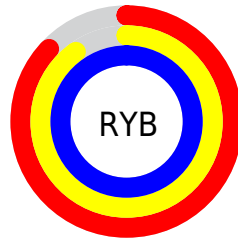
The XYZ color **76.4447, 79.7440, 105.9708** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9430, 91.7836, 81.5418**, and the grayscale version is **75.6899, 79.6317, 86.7189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4443, 43.2349, 59.5869** is the 20% darker color. If you saturate the color by 10%, you get **64.4819, 66.4816, 104.0414**, and if you desaturate by 10%, it is **90.1089, 94.6567, 108.1291**.

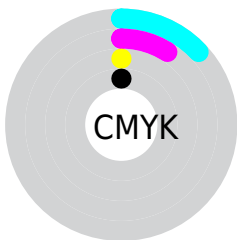
Distribution



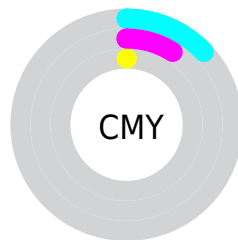
- Red (87%)
- Green (91%)
- Blue (100%)



- Red (87%)
- Yellow (90%)
- Blue (100%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4447, 79.7440, 105.9708 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 76.4447, 79.7440, 105.9708 by changing the saturation by 10% instead.

■ 76.4447, 79.7440,
105.9708

■ 76.4447, 79.7440,
105.9708

471.7897,
494.0697, 600.5801

■ 57.0956, 59.5077,
80.6517

127.3323,
133.0057, 171.4617

■ 41.3224, 43.0220,
59.7255

159.6015,
166.8000, 212.4706

■ 28.7599, 29.9023,
42.7735

196.9081,
205.8824, 259.5465

■ 19.0426, 19.7645,
29.3774

239.6175,
250.6372, 313.1079

■ 11.8053, 12.2240,
19.1185

288.0950,
301.4490, 373.5735

■ 6.6825, 6.8964,
11.5782

342.7059,

■ 3.3089, 3.3974,

358.7021, 441.3617

6.3381

403.8157,
422.7808, 516.8910

■ 1.3191, 1.3425,
2.9797

■ 0.1975, 0.1738,
1.0843

■ 76.4447, 79.7440,
105.9708

■ 76.4447, 79.7440,
105.9708

■ 64.4819, 66.4816,
104.0414

■ 90.1089, 94.6567,
108.1291

■ 54.1455, 54.8012,
102.3317

95.0500, 100.0000,
108.9000

■ 45.3643, 44.6441,
100.8340

■ 38.0589, 35.9438,
99.5397

■ 32.1428, 28.6287,
98.4395

■ 27.5196, 22.6202,
97.5234

■ 24.0795, 17.8309,
96.7803

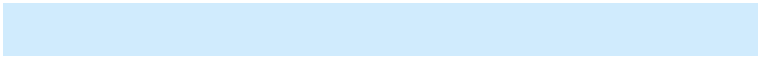
■ 21.6916, 14.1599,
96.1976

■ 20.5679, 12.2558,
95.8893

Harmonies

Analogous

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



73.2619, 79.7440, 104.3035



76.4447, 79.7440, 105.9708



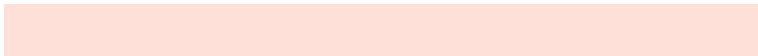
79.5388, 79.7440, 102.2185

Triad

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



76.4447, 79.7440, 105.9708



80.9933, 79.7440, 76.6974



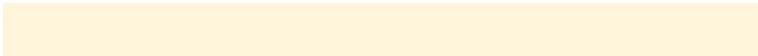
70.2045, 79.7440, 79.6975

Complementary

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



76.4447, 79.7440, 105.9708



86.9430, 91.7836, 81.5418

Split Complementary

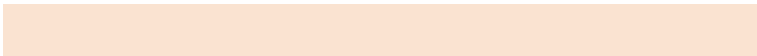
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.1692, 79.7440, 73.0648



76.4447, 79.7440, 105.9708



78.3843, 79.7440, 71.4217

Square

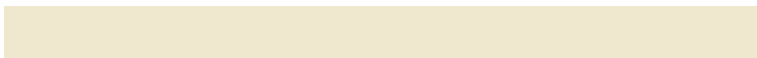
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4447, 79.7440, 105.9708



82.2129, 79.7440, 84.9834



75.1476, 79.7440, 70.1410



69.7187, 79.7440, 88.6984

Rectangle

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



76.4447, 79.7440, 105.9708



81.1154, 79.7440, 97.2968



75.1476, 79.7440, 70.1410



70.7111, 79.7440, 77.1378

Sweetspot

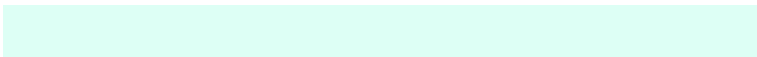
The Sweet Spot groups the original color and five complimentary colors.



76.4468, 79.7472, 105.9713



89.1427, 93.6091, 107.9778



82.0305, 93.4729, 99.9454



18.8492, 19.7854, 23.0755



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.



76.4468, 79.7472, 105.9713



73.0919, 76.0501, 105.4345



75.8391, 75.3957, 105.1634



17.4385, 18.2486, 22.8532



10.8588, 6.6272, 50.1414



1.1471, 0.8249, 4.9120

Inverse Universe

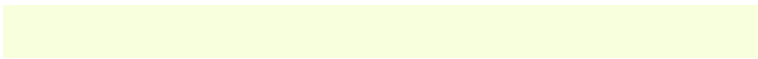
The Inverse Universe completely reimagines the original color for something new.



81.5216, 78.7439, 86.5076



79.0927, 74.9566, 82.3980



87.5940, 96.7337, 82.4630



18.2292, 18.0750, 19.8242



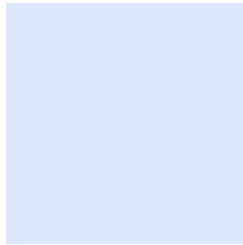
22.2692, 11.3970, 4.8022



2.2136, 1.1278, 0.7063

Previews

White Background



This preview shows how the XYZ color 76.4447, 79.7440, 105.9708 looks on a white background.

Color Contrast Check

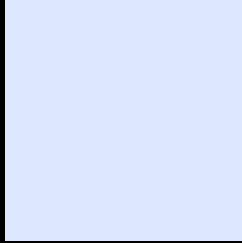
Large Text (above 18pt) WCAG AA × Fail

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 76.4447, 79.7440, 105.9708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

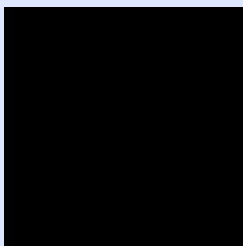
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.4447, 79.7440, 105.9708

Background



This preview shows how black text looks on a background with the XYZ color 76.4447, 79.7440, 105.9708.



This preview shows how white text looks on a background with the XYZ color 76.4447, 79.7440,

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

76.4447, 79.7440, 105.9708

Protanopia

77.9036, 79.6884, 105.0414

Deuteranopia

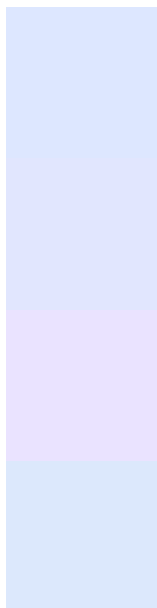
81.2508, 79.7712, 105.7227



Tritanopia

75.6271, 79.8310, 101.8654

Trichromacy



Original Color

76.4447, 79.7440, 105.9708

Protanomaly

77.2375, 79.7569, 105.0897

Deuteranomaly

79.4508, 79.6506, 105.7943

Tritanomaly

75.9425, 79.9571, 103.5261

Monochromacy



Original Color

76.4447, 79.7440, 105.9708

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 76.4447, 79.7440, 105.9708 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(221, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 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(221, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.4447, 79.7440, 105.9708 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(221, 231, 255) }
```


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

```
.border{ border-color:rgb(221, 231, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4447, 79.7440, 105.9708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 255) }
```

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

```
.background{ background-color: rgb(221,  
231, 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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