

Converting Colors

XYZ(78.3432, 77.4730,
114.3111)

Have a look what the booklet for
XYZ(78.3432, 77.4730, 114.3111)
contains.

XYZ(76.4326, 76.4893, 105.3432)	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(76.4326, 76.4893,
105.3432)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DFFF
RGB	228, 223, 255
RGB Percent	89%, 87%, 100%
CMY	0.1059, 0.1255, 0.0000
CMYK	0.11, 0.13, 0.00, 0.00
HSL	249°, 100%, 94%
HSV	249°, 13%, 100%
XYZ	76.4326, 76.4893, 105.3432
YIQ	228.1430, -7.2920, 11.0120

Conversions

Conversions Part 2

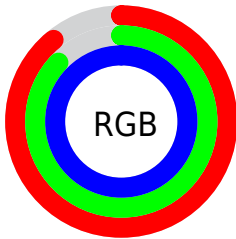
Format	Color
R _Y B	228, 223, 255
Decimal	14999551
CIE Lab	90.09, 7.69, -14.90
CIE LCh	90, 16.771, 297.307
Yxy	76.4893, 0.2959, 0.2962
Android (android.graphics.Color)	4293189631 (0xFFE4DFFF)
YUV	228.1430, 13.2405, -0.1254
Hunter-Lab	87.4582, 2.9453, -10.1940

Details

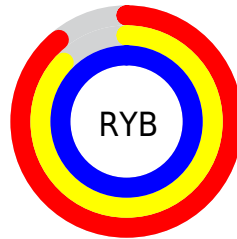
The XYZ color **76.4326, 76.4893, 105.3432** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.5053, 97.1725, 83.9071**, and the grayscale version is **73.7592, 77.6004, 84.5069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2089, 40.8531, 59.1396** is the 20% darker color. If you saturate the color by 10%, you get **63.7196, 60.5736, 102.9412**, and if you desaturate by 10%, it is **91.0253, 94.9011, 108.1279**.

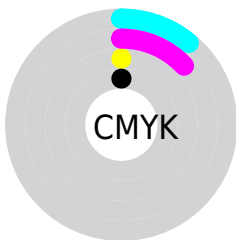
Distribution



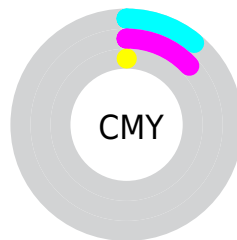
- Red (89%)
- Green (87%)
- Blue (100%)



- Red (89%)
- Yellow (87%)
- Blue (100%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4326, 76.4893, 105.3432 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 76.4326, 76.4893, 105.3432 by changing the saturation by 10% instead.

76.4326, 76.4893,
105.3432

76.4326, 76.4893,
105.3432

471.7489,
483.0210, 598.5834

57.0856, 56.8338,
80.1287

127.3153,
128.4183, 170.5965

41.3144, 40.8718,
59.2974

159.5818,
161.4607, 211.4723

28.7536, 28.2190,
42.4310

196.8854,
199.7341, 258.4056

19.0378, 18.4908,
29.1108

239.5916,
243.6229, 311.8149

11.8018, 11.3029,
18.9184

288.0657,
293.5117, 372.1188

6.6801, 6.2710,
11.4351

342.6730,

3.3074, 3.0105,

349.7847, 439.7358

6.2425

403.7790,
412.8263, 515.0845

■ 1.3183, 1.1372,
2.9219

■ 0.1969, 0.0095,
1.0549

■ 76.4326, 76.4893,
105.3432

■ 76.4326, 76.4893,
105.3432

■ 63.7196, 60.5736,
102.9412

■ 91.0253, 94.9011,
108.1279

■ 52.8033, 47.0373,
100.9038

95.0500, 100.0000,
108.9000

■ 43.6037, 35.7680,
99.2135

■ 36.0319, 26.6409,
97.8509

■ 29.9915, 19.5186,
96.7945

■ 25.3751, 14.2479,
96.0205

■ 22.0611, 10.6529,
95.5012

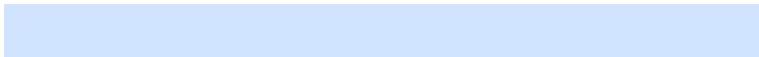
■ 19.9063, 8.5228,
95.2036

■ 18.9184, 7.6677,
95.0906

Harmonies

Analogous

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



72.3257, 76.4893, 108.3273



76.4326, 76.4893, 105.3432



79.6426, 76.4893, 96.2806

Triad

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



76.4326, 76.4893, 105.3432



77.1075, 76.4893, 65.4536



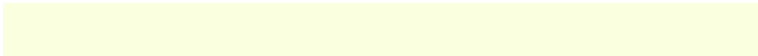
64.9996, 76.4893, 82.2123

Complementary

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



76.4326, 76.4893, 105.3432



88.5053, 97.1725, 83.9071

Split Complementary

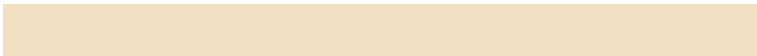
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1745, 76.4893, 71.5127



76.4326, 76.4893, 105.3432



73.0772, 76.4893, 62.4321

Square

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



76.4326, 76.4893, 105.3432



80.0426, 76.4893, 73.2099



69.0925, 76.4893, 64.5414



65.8222, 76.4893, 94.2419

Rectangle

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



76.4326, 76.4893, 105.3432



80.7870, 76.4893, 88.4195



69.0925, 76.4893, 64.5414



65.1730, 76.4893, 78.3510

Sweetspot

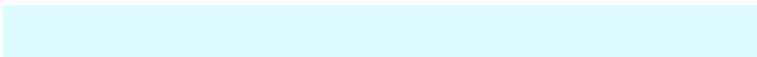
The Sweet Spot groups the original color and five complimentary colors.



76.4347, 76.4924, 105.3437



88.7860, 92.0679, 107.6991



82.7310, 91.4048, 107.8902



18.7592, 19.3969, 23.0052



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.



76.4347, 76.4924, 105.3437



73.1450, 72.3611, 104.7197



81.6785, 79.1957, 105.5891



17.2671, 17.5139, 22.7204



9.9632, 4.0467, 49.6906



1.0430, 0.4316, 4.8416

Inverse Universe

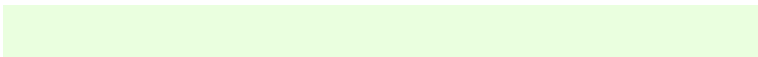
The Inverse Universe completely reimagines the original color for something new.



84.8848, 80.9404, 101.5939



83.0914, 77.5981, 100.2421



83.0784, 94.3748, 83.6531



18.6636, 18.2487, 22.1115



28.0153, 13.6954, 35.0605



2.7591, 1.3460, 3.5790

Previews

White Background



This preview shows how the XYZ color 76.4326, 76.4893, 105.3432 looks on a white background.

Color Contrast Check

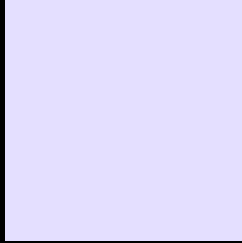
Large Text (above 18pt) WCAG AA × Fail

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 76.4326, 76.4893, 105.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

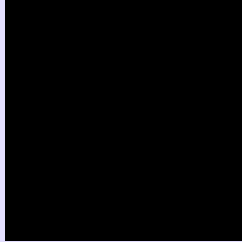
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.4326, 76.4893, 105.3432

Background



This preview shows how black text looks on a background with the XYZ color 76.4326, 76.4893, 105.3432.

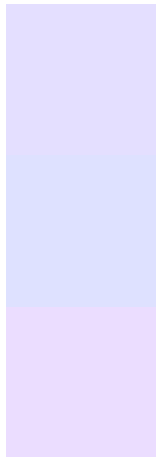


This preview shows how white text looks on a background with the XYZ color 76.4326, 76.4893,

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

76.4326, 76.4893, 105.3432

Protanopia

75.0994, 76.6000, 105.4349

Deuteranopia

78.1674, 76.5951, 105.2722



Tritanopia

74.4669, 76.4902, 95.6333

Trichromacy



Original Color

76.4326, 76.4893, 105.3432

Protanomaly

75.4461, 76.3786, 105.3738

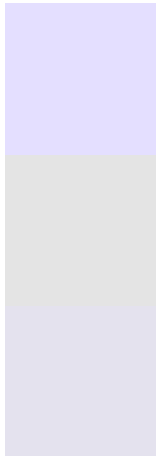
Deuteranomaly

77.4500, 76.6184, 105.3145

Tritanomaly

75.1227, 76.3576, 98.7748

Monochromacy



Original Color

76.4326, 76.4893, 105.3432

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

74.6239, 77.0597, 91.8298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4326, 76.4893, 105.3432 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(228, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 223, 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(228, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.4326, 76.4893, 105.3432 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(228, 223, 255) }
```


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

```
.border{ border-color:rgb(228, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4326, 76.4893, 105.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 223, 255) }
```

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

```
.background{ background-color: rgb(228,  
223, 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