

Converting Colors

XYZ(83.1599, 80.3511,
124.9649)

Have a look what the booklet for
XYZ(83.1599, 80.3511, 124.9649)
contains.

XYZ(79.5673, 78.9033, 105.6440)	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(79.5673, 78.9033,
105.6440)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE1FF
RGB	236, 225, 255
RGB Percent	93%, 88%, 100%
CMY	0.0745, 0.1176, 0.0000
CMYK	0.07, 0.12, 0.00, 0.00
HSL	262°, 100%, 94%
HSV	262°, 12%, 100%
XYZ	79.5673, 78.9033, 105.6440
YIQ	231.7090, -3.0740, 11.6620

Conversions

Conversions Part 2

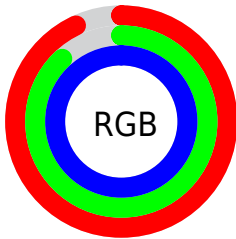
Format	Color
R_{YB}	236, 225, 255
Decimal	15524351
CIE Lab	91.19, 9.20, -13.19
CIE LCh	91, 16.081, 304.918
Yxy	78.9033, 0.3013, 0.2987
Android (android.graphics.Color)	4293714431 (0xFFECE1FF)
YUV	231.7090, 11.4825, 3.7632
Hunter-Lab	88.8275, 4.4433, -8.3353

Details

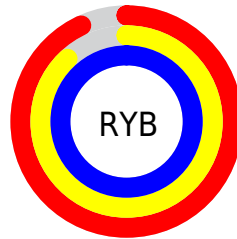
The XYZ color **79.5673, 78.9033, 105.6440** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.6607, 96.1902, 85.2371**, and the grayscale version is **76.4047, 80.3837, 87.5378**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.3902, 42.5300, 59.3483** is the 20% darker color. If you saturate the color by 10%, you get **68.0600, 63.4922, 103.2758**, and if you desaturate by 10%, it is **92.5932, 96.6298, 108.3790**.

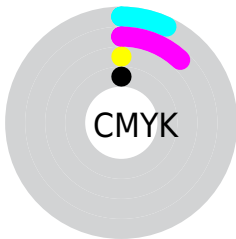
Distribution



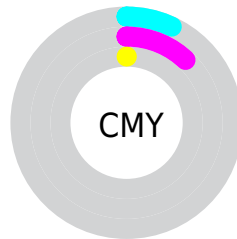
- Red (93%)
- Green (88%)
- Blue (100%)



- Red (93%)
- Yellow (88%)
- Blue (100%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.5673, 78.9033, 105.6440 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 79.5673, 78.9033, 105.6440 by changing the saturation by 10% instead.

79.5673, 78.9033,
105.6440

79.5673, 78.9033,
105.6440

482.2322,
491.2291, 599.5408

59.6696, 58.8163,
80.3793

131.7109,
131.8227, 171.0112

43.4008, 42.4653,
59.5025

164.6876,
165.4239, 211.9508

30.3956, 29.4658,
42.5951

202.7545,
204.2987, 258.9525

20.2886, 19.4335,
29.2385

246.2772,
248.8313, 312.4348

12.7145, 11.9839,
19.0142

295.6210,
299.4063, 372.8162

7.3079, 6.7327,
11.5036

351.1512,

3.7034, 3.2955,

356.4080, 440.5154

6.2882

413.2331,
420.2208, 515.9507

■ 1.5358, 1.2879,
2.9495

■ 0.3500, 0.1318,
1.0689

■ 79.5673, 78.9033,
105.6440

■ 79.5673, 78.9033,
105.6440

■ 68.0600, 63.4922,
103.2758

■ 92.5932, 96.6298,
108.3790

■ 58.0067, 50.2892,
101.2572

95.0500, 100.0000,
108.9000

■ 49.3473, 39.1928,
99.5718

■ 42.0149, 30.0899,
98.2012

■ 35.9364, 22.8560,
97.1253

■ 31.0311, 17.3526,
96.3216

■ 27.2072, 13.4205,
95.7642

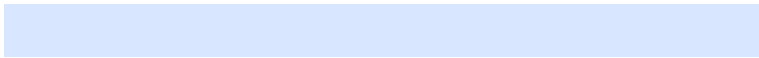
■ 24.3568, 10.8695,
95.4220

■ 22.6138, 9.5727,
95.2636

Harmonies

Analogous

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



75.6685, 78.9033, 110.2485



79.5673, 78.9033, 105.6440



82.3132, 78.9033, 95.7739

Triad

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



79.5673, 78.9033, 105.6440



78.3639, 78.9033, 67.1597



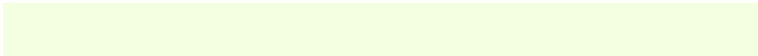
67.4610, 78.9033, 87.8493

Complementary

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



79.5673, 78.9033, 105.6440



86.6607, 96.1902, 85.2371

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.



68.1244, 78.9033, 76.7520



79.5673, 78.9033, 105.6440



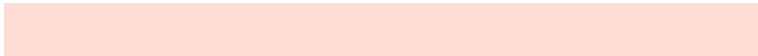
74.3259, 78.9033, 65.4500

Square

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



79.5673, 78.9033, 105.6440



81.6010, 78.9033, 73.7043



70.6017, 78.9033, 68.8045



68.7560, 78.9033, 99.3989

Rectangle

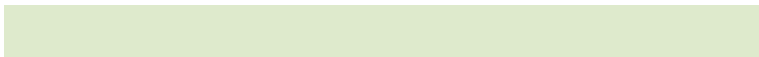
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.5673, 78.9033, 105.6440



83.0684, 78.9033, 87.9141



70.6017, 78.9033, 68.8045



67.4628, 78.9033, 83.9411

Sweetspot

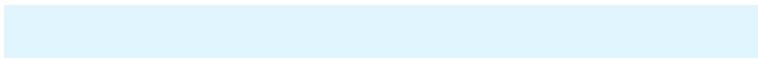
The Sweet Spot groups the original color and five complimentary colors.



79.5694, 78.9065, 105.6445



89.5449, 92.4591, 107.7346



81.6049, 88.2322, 107.3372



18.9507, 19.4956, 23.0142



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.



79.5694, 78.9065, 105.6445



76.8648, 75.2606, 105.0833



84.5807, 81.4900, 105.8790



17.6318, 17.7019, 22.7375



11.9657, 5.0790, 49.7843



1.2802, 0.5539, 4.8527

Inverse Universe

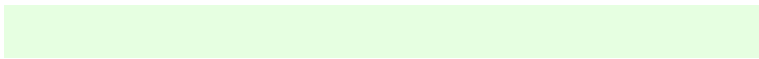
The Inverse Universe completely reimagines the original color for something new.



84.4963, 81.6452, 96.8963



82.6636, 78.4852, 94.7271



81.8257, 93.6977, 85.0108



18.4936, 18.1807, 21.2162



25.0082, 12.4926, 19.2254



2.4876, 1.2374, 2.1491

Previews

White Background



This preview shows how the XYZ color 79.5673, 78.9033, 105.6440 looks on a white background.

Color Contrast Check

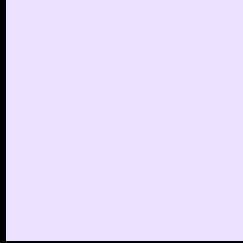
Large Text (above 18pt) WCAG AA × Fail

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 79.5673, 78.9033, 105.6440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

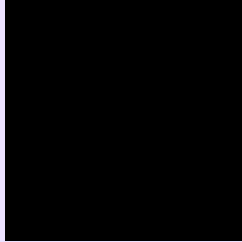
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.5673, 78.9033, 105.6440

Background



This preview shows how black text looks on a background with the XYZ color 79.5673, 78.9033, 105.6440.



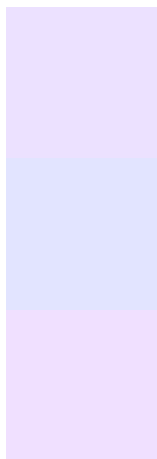
This preview shows how white text looks on a background with the XYZ color 79.5673, 78.9033,

105.6440.

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

79.5673, 78.9033, 105.6440

Protanopia

77.1574, 78.8756, 105.7656

Deuteranopia

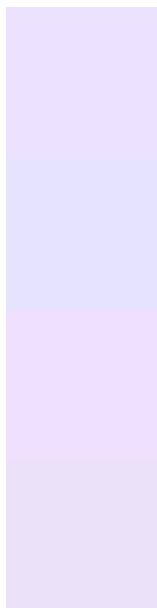
80.6408, 79.0566, 105.6170



Tritanopia

77.8822, 79.0232, 97.5344

Trichromacy



Original Color

79.5673, 78.9033, 105.6440

Protanomaly

78.1522, 78.9812, 105.7336

Deuteranomaly

80.3023, 78.8820, 105.6011

Tritanomaly

78.5562, 78.8944, 100.7103

Monochromacy



Original Color

79.5673, 78.9033, 105.6440

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.3518, 79.6535, 93.7359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.5673, 78.9033, 105.6440 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(236, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 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(236, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.5673, 78.9033, 105.6440 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(236, 225, 255) }
```


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

```
.border{ border-color:rgb(236, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.5673, 78.9033, 105.6440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 255) }
```

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

```
.background{ background-color: rgb(236,  
225, 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