

Converting Colors

XYZ(78.5940, 81.3001,
106.1579)

Have a look what the booklet for
XYZ(78.5940, 81.3001, 106.1579)
contains.

XYZ(78.5852, 81.2641, 106.1514)	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(78.5852, 81.2641,
106.1514)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E8FF
RGB	227, 232, 255
RGB Percent	89%, 91%, 100%
CMY	0.1098, 0.0902, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	229°, 100%, 95%
HSV	229°, 11%, 100%
XYZ	78.5852, 81.2641, 106.1514
YIQ	233.1270, -10.3630, 6.0930

Conversions

Conversions Part 2

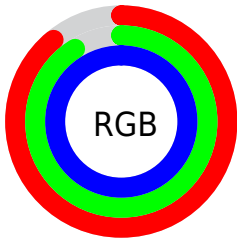
Format	Color
R _Y B	227, 231, 255
Decimal	14936319
CIE Lab	92.25, 2.69, -11.68
CIE LCh	92, 11.984, 282.996
Yxy	81.2641, 0.2954, 0.3055
Android (android.graphics.Color)	4293126399 (0xFFE3E8FF)
YUV	233.1270, 10.7834, -5.3734
Hunter-Lab	90.1466, -2.1494, -6.7138

Details

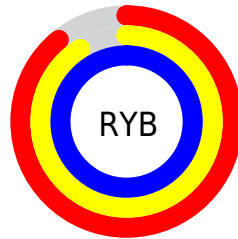
The XYZ color **78.5852, 81.2641, 106.1514** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.2902, 95.1757, 86.3394**, and the grayscale version is **77.4766, 81.5114, 88.7659**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7316, 43.8985, 59.6471** is the 20% darker color. If you saturate the color by 10%, you get **65.5823, 66.3264, 103.9535**, and if you desaturate by 10%, it is **93.4862, 98.2275, 108.6403**.

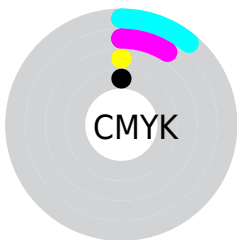
Distribution



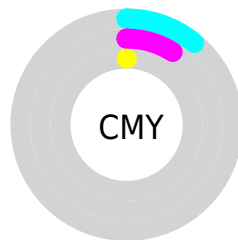
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5852, 81.2641, 106.1514 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 78.5852, 81.2641, 106.1514 by changing the saturation by 10% instead.

78.5852, 81.2641,
106.1514

78.5852, 81.2641,
106.1514

478.9614,
499.1828, 601.1540

58.8593, 60.7591,
80.8023

130.3358,
135.1415, 171.7106

42.7458, 44.0308,
59.8487

163.0911,
169.2828, 212.7577

29.8794, 30.6947,
42.8722

200.9203,
208.7383, 259.8746

19.8947, 20.3665,
29.4542

244.1887,
253.8924, 313.4797

12.4263, 12.6617,
19.1762

293.2616,
305.1295, 373.9917

7.1090, 7.1960,
11.6195

348.5045,

3.5773, 3.5850,

362.8340, 441.8291

6.3658

410.2827,
427.3903, 517.4103

■ 1.4659, 1.4442,
2.9964

■ 0.3024, 0.2490,
1.0928

■ 78.5852, 81.2641,
106.1514

■ 78.5852, 81.2641,
106.1514

■ 65.5823, 66.3264,
103.9535

■ 93.4862, 98.2275,
108.6403

■ 54.3941, 53.3285,
102.0343

■ 95.0500, 100.0000,
108.9000

■ 44.9408, 42.1927,
100.3831

■ 37.1340, 32.8325,
98.9879

■ 30.8772, 25.1542,
97.8356

■ 26.0638, 19.0551,
96.9120

■ 22.5729, 14.4209,
96.2015

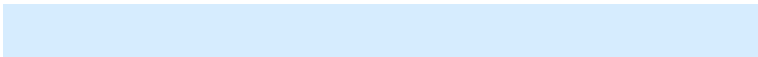
■ 20.2627, 11.1207,
95.6863

■ 19.0101, 9.1402,
95.3700

Harmonies

Analogous

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



75.5117, 81.2641, 105.8034



78.5852, 81.2641, 106.1514



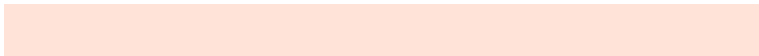
81.3691, 81.2641, 101.5438

Triad

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



78.5852, 81.2641, 106.1514



81.6743, 81.2641, 77.3609



71.6865, 81.2641, 83.5913

Complementary

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



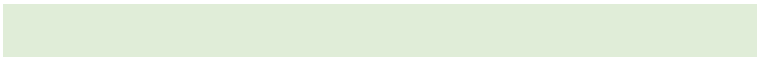
78.5852, 81.2641, 106.1514



89.2902, 95.1757, 86.3394

Split Complementary

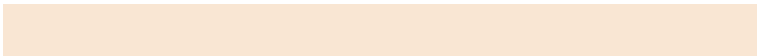
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2512, 81.2641, 76.5927



78.5852, 81.2641, 106.1514



78.9926, 81.2641, 73.1638

Square

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



78.5852, 81.2641, 106.1514



83.1844, 81.2641, 84.7049



75.9084, 81.2641, 72.8923



71.5840, 81.2641, 92.3714

Rectangle

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



78.5852, 81.2641, 106.1514



82.6639, 81.2641, 96.4497



75.9084, 81.2641, 72.8923



72.0569, 81.2641, 80.9671

Sweetspot

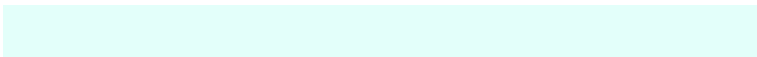
The Sweet Spot groups the original color and five complimentary colors.



78.5874, 81.2674, 106.1519



90.3196, 94.6344, 108.1136



84.6738, 94.7451, 104.1581



19.0679, 19.9555, 23.0968



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.



78.5874, 81.2674, 106.1519



75.8094, 78.0881, 105.6847



80.0681, 79.9698, 105.8234



17.2654, 17.9025, 22.7955



10.0085, 4.9266, 49.8580



1.0425, 0.6157, 4.8772

Inverse Universe

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



83.2760, 82.0260, 87.7912



81.2936, 79.0118, 84.2001



87.6785, 96.6833, 86.7154



18.1419, 18.0401, 19.3642



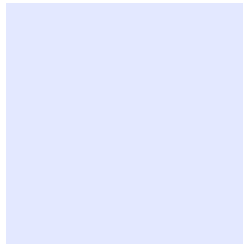
21.8400, 11.2253, 2.5421



2.1608, 1.1067, 0.4283

Previews

White Background



This preview shows how the XYZ color 78.5852, 81.2641, 106.1514 looks on a white background.

Color Contrast Check

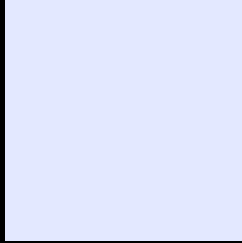
Large Text (above 18pt) WCAG AA × Fail

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 78.5852, 81.2641, 106.1514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

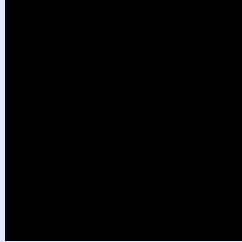
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5852, 81.2641, 106.1514

Background



This preview shows how black text looks on a background with the XYZ color 78.5852, 81.2641, 106.1514.



This preview shows how white text looks on a background with the XYZ color 78.5852, 81.2641,

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

78.5852, 81.2641, 106.1514

Protanopia

79.0984, 81.1306, 105.2568

Deuteranopia

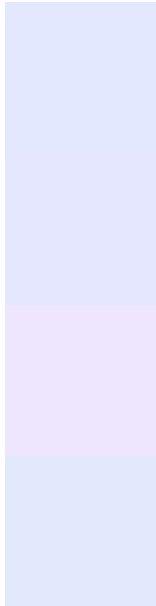
82.8273, 81.3913, 105.9524



Tritanopia

77.9155, 81.4116, 102.8742

Trichromacy



Original Color

78.5852, 81.2641, 106.1514

Protanomaly

78.7784, 80.9656, 105.2418

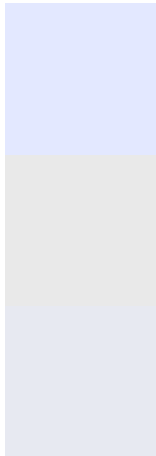
Deuteranomaly

81.3292, 81.4358, 106.0399

Tritanomaly

78.0736, 81.4749, 103.7068

Monochromacy



Original Color

78.5852, 81.2641, 106.1514

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.9711, 81.6176, 94.8633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5852, 81.2641, 106.1514 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(227, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.5852, 81.2641, 106.1514 is called "border". The border property can be set on classes, ids or directly on the HTML element.

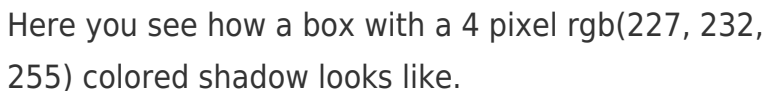
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 232, 255) }
```


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

```
.border{ border-color:rgb(227, 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(227, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5852, 81.2641, 106.1514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 232, 255) }
```

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

```
.background{ background-color: rgb(227,  
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](#).

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