

Converting Colors

XYZ(77.3574, 80.7636,
100.0366)

Have a look what the booklet for
XYZ(77.3574, 80.7636, 100.0366)
contains.

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Color

**XYZ(77.4784, 80.8214,
100.3235)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E8F8
RGB	227, 232, 248
RGB Percent	89%, 91%, 97%
CMY	0.1098, 0.0902, 0.0274
CMYK	0.08, 0.06, 0.00, 0.03
HSL	226°, 60%, 93%
HSV	226°, 8%, 97%
XYZ	77.4784, 80.8214, 100.3235
YIQ	232.3290, -8.1160, 3.9160

Conversions

Conversions Part 2

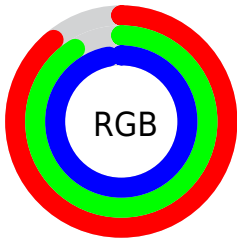
Format	Color
R_{YB}	227, 231, 248
Decimal	14936312
CIE Lab	92.05, 1.33, -8.32
CIE LCh	92, 8.424, 279.085
Yxy	80.8214, 0.2996, 0.3125
Android (android.graphics.Color)	4293126392 (0xFFE3E8F8)
YUV	232.3290, 7.7258, -4.6735
Hunter-Lab	89.9007, -3.4911, -3.2334

Details

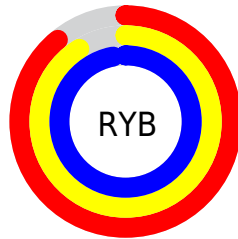
The XYZ color **77.4784, 80.8214, 100.3235** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6274, 89.6030, 85.5092**, and the grayscale version is **76.8984, 80.9031, 88.1035**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0530, 43.6271, 56.0736** is the 20% darker color. If you saturate the color by 10%, you get **65.1782, 67.0080, 98.3068**, and if you desaturate by 10%, it is **91.4816, 96.3656, 102.5870**.

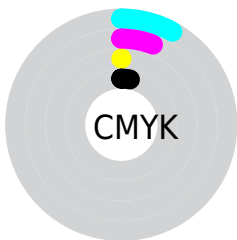
Distribution



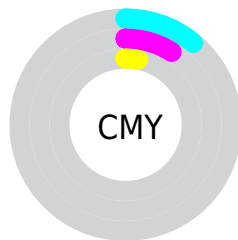
- Red (89%)
- Green (91%)
- Blue (97%)



- Red (89%)
- Yellow (91%)
- Blue (97%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4784, 80.8214, 100.3235 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 77.4784, 80.8214, 100.3235 by changing the saturation by 10% instead.

■ 77.4784, 80.8214,
100.3235

■ 77.4784, 80.8214,
100.3235

475.2606,
497.6967, 582.4849

■ 57.9469, 60.3945,
75.9523

128.7838,
134.5200, 163.6574

■ 42.0090, 43.7367,
55.8870

161.2885,
168.5604, 203.4573

■ 29.2995, 30.4636,
39.7090

198.8482,
207.9075, 249.2371

■ 19.4529, 20.1907,
26.9996

241.8284,
252.9457, 301.4155

■ 12.1040, 12.5338,
17.3405

290.5943,
304.0593, 360.4109

■ 6.8872, 7.1083,
10.3130

345.5114,

■ 3.4374, 3.5299,

361.6328, 426.6419

5.4987

406.9451,
426.0504, 500.5270

■ 1.3891, 1.4142,
2.4789

■ 0.2484, 0.2272,
0.8290

■ 77.4784, 80.8214,
100.3235

■ 77.4784, 80.8214,
100.3235

■ 65.1782, 67.0080,
98.3068

■ 91.4816, 96.3656,
102.5870

■ 54.5080, 54.8546,
96.5233

■ 93.9435, 99.5574,
103.0734

■ 45.3999, 44.3002,
94.9662

■ 37.7782, 35.2762,
93.6261

■ 31.5611, 27.7089,
92.4931

■ 26.6581, 21.5180,
91.5566

■ 22.9677, 16.6148,
90.8047

■ 20.3722, 12.8992,
90.2243

■ 18.7129, 10.2454,
89.7995

Harmonies

Analogous

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



75.3398, 80.8214, 99.6301



77.4784, 80.8214, 100.3235



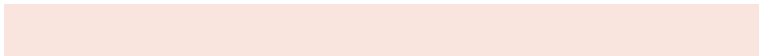
79.4765, 80.8214, 97.5965

Triad

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



77.4784, 80.8214, 100.3235



80.0996, 80.8214, 80.6866



72.9899, 80.8214, 83.8074

Complementary

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



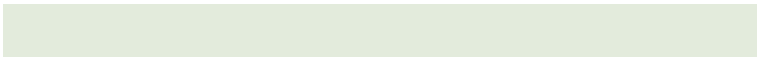
77.4784, 80.8214, 100.3235



84.6274, 89.6030, 85.5092

Split Complementary

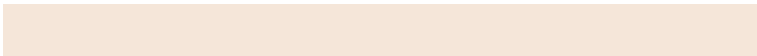
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2201, 80.8214, 79.0556



77.4784, 80.8214, 100.3235



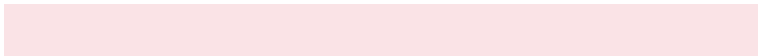
78.3160, 80.8214, 77.3135

Square

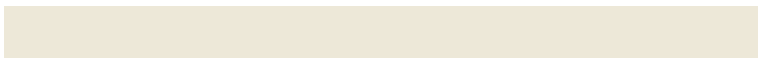
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4784, 80.8214, 100.3235



81.0085, 80.8214, 86.1292



76.1620, 80.8214, 76.7308



72.7752, 80.8214, 89.8993

Rectangle

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



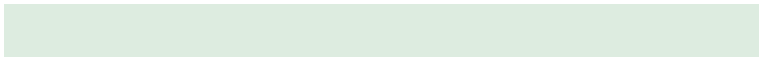
77.4784, 80.8214, 100.3235



80.4504, 80.8214, 94.2778



76.1620, 80.8214, 76.7308



73.2972, 80.8214, 82.0087

Sweetspot

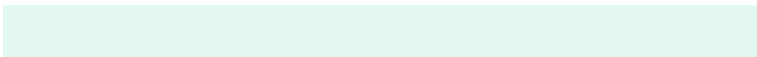
The Sweet Spot groups the original color and five complimentary colors.



77.4808, 80.8248, 100.3253



90.4604, 94.9160, 108.1606



81.3872, 89.9230, 97.6648



19.1058, 20.0312, 23.1094



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.



77.4808, 80.8248, 100.3253



80.3963, 83.7072, 106.5275



77.7736, 78.9146, 99.9411



16.6187, 17.3143, 21.8514



10.0896, 5.5348, 48.5101



1.0127, 0.6690, 4.5189

Inverse Universe

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



80.7478, 80.7224, 87.6730



84.4766, 83.6072, 90.7194



84.3098, 91.6924, 85.9292



17.4141, 17.2930, 18.7704



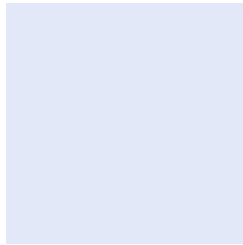
21.3848, 10.9696, 3.4688



2.0201, 1.0318, 0.5291

Previews

White Background



This preview shows how the XYZ color 77.4784, 80.8214, 100.3235 looks on a white background.

Color Contrast Check

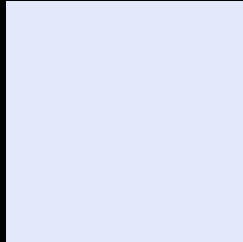
Large Text (above 18pt) WCAG AA × Fail

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 77.4784, 80.8214, 100.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

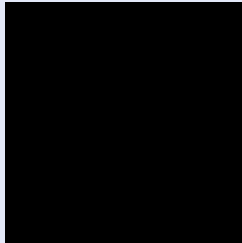
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4784, 80.8214, 100.3235

Background



This preview shows how black text looks on a background with the XYZ color 77.4784, 80.8214, 100.3235.



This preview shows how white text looks on a background with the XYZ color 77.4784, 80.8214,

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

77.4784, 80.8214, 100.3235

Protanopia

78.6431, 81.0230, 99.4898

Deuteranopia

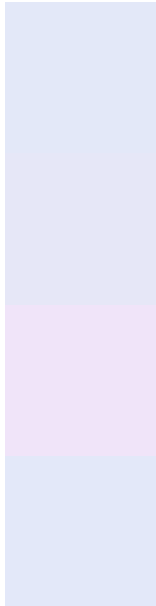
82.3819, 80.4641, 100.8117



Tritanopia

77.7905, 80.9462, 101.9667

Trichromacy



Original Color

77.4784, 80.8214, 100.3235

Protanomaly

77.9975, 80.6902, 99.4595

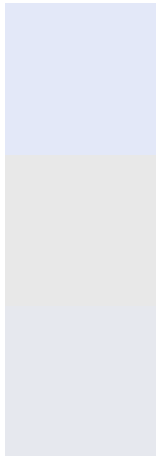
Deuteranomaly

80.7775, 80.8516, 100.9710

Tritanomaly

77.6340, 80.8837, 101.1429

Monochromacy



Original Color

77.4784, 80.8214, 100.3235

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.9224, 80.7093, 92.4131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4784, 80.8214, 100.3235 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 248) }
```

Border

The CSS property to change the border of an element to XYZ 77.4784, 80.8214, 100.3235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

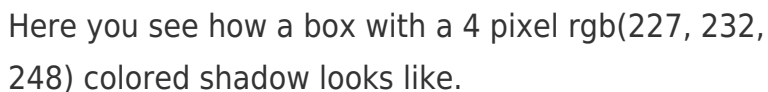
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 232, 248) }
```


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

```
.border{ border-color:rgb(227, 232, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 232, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 232, 248); box-shadow:4px 4px 4px 4px rgb(227, 232, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4784, 80.8214, 100.3235 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, 248) }
```

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

```
.background{ background-color: rgb(227,  
232, 248) }
```

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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