

Converting Colors

XYZ(77.2624, 80.7042,
100.7453)

Have a look what the booklet for
XYZ(77.2624, 80.7042, 100.7453)
contains.

XYZ(77.3195, 80.7215, 101.1282)	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(77.3195, 80.7215,
101.1282)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E8F9
RGB	226, 232, 249
RGB Percent	89%, 91%, 98%
CMY	0.1137, 0.0902, 0.0235
CMYK	0.09, 0.07, 0.00, 0.02
HSL	224°, 66%, 93%
HSV	224°, 9%, 98%
XYZ	77.3195, 80.7215, 101.1282
YIQ	232.1440, -9.0330, 4.0150

Conversions

Conversions Part 2

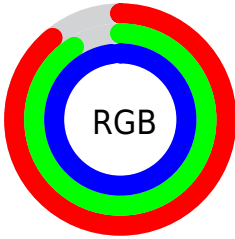
Format	Color
R _Y B	226, 231, 249
Decimal	14870777
CIE Lab	92.01, 1.20, -8.91
CIE LCh	92, 8.995, 277.683
Yxy	80.7215, 0.2983, 0.3115
Android (android.graphics.Color)	4293060857 (0xFFE2E8F9)
YUV	232.1440, 8.3100, -5.3883
Hunter-Lab	89.8451, -3.6143, -3.8442

Details

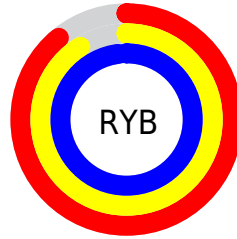
The XYZ color **77.3195, 80.7215, 101.1282** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8453, 89.7313, 84.8010**, and the grayscale version is **76.7561, 80.7534, 87.9404**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9456, 43.5589, 56.6490** is the 20% darker color. If you saturate the color by 10%, you get **65.1605, 67.1644, 99.1535**, and if you desaturate by 10%, it is **91.1595, 95.9546, 103.3403**.

Distribution



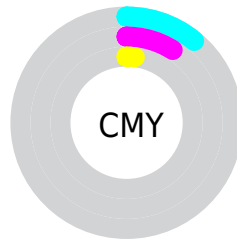
- Red (89%)
- Green (91%)
- Blue (98%)



- Red (89%)
- Yellow (91%)
- Blue (98%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3195, 80.7215, 101.1282 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 77.3195, 80.7215, 101.1282 by changing the saturation by 10% instead.

■ 77.3195, 80.7215,
101.1282

■ 77.3195, 80.7215,
101.1282

474.7279,
497.3610, 585.0813

■ 57.8160, 60.3123,
76.6210

128.5608,
134.3796, 164.7721

■ 41.9034, 43.6704,
56.4321

161.0294,
168.3973, 204.7458

■ 29.2164, 30.4114,
40.1432

198.5503,
207.7200, 250.7122

■ 19.3897, 20.1511,
27.3356

241.4889,
252.7319, 303.0896

■ 12.0579, 12.5049,
17.5907

290.2106,
303.8176, 362.2967

■ 6.8556, 7.0885,
10.4902

345.0808,

■ 3.4175, 3.5175,

361.3614, 428.7520

5.6153

406.4648,
425.7478, 502.8740

■ 1.3782, 1.4075,
2.5476

■ 0.2406, 0.2223,
0.8652

■ 77.3195, 80.7215,
101.1282

■ 77.3195, 80.7215,
101.1282

■ 65.1605, 67.1644,
99.1535

■ 91.1595, 95.9546,
103.3403

■ 54.6100, 55.2148,
97.4031

■ 94.0991, 99.6197,
103.8928

■ 45.6009, 44.8143,
95.8704

■ 38.0582, 35.8969,
94.5467

■ 31.9005, 28.3919,
93.4227

■ 27.0381, 22.2220,
92.4880

■ 23.3701, 17.3020,
91.7317

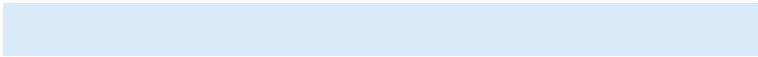
■ 20.7785, 13.5353,
91.1412

■ 19.0945, 10.7950,
90.7011

Harmonies

Analogous

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



75.0470, 80.7215, 100.2091



77.3195, 80.7215, 101.1282



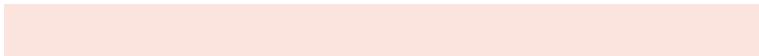
79.4742, 80.7215, 98.3620

Triad

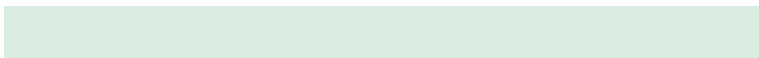
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3195, 80.7215, 101.1282



80.2970, 80.7215, 80.3337



72.6823, 80.7215, 83.1437

Complementary

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



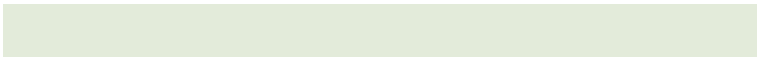
77.3195, 80.7215, 101.1282



84.8453, 89.7313, 84.8010

Split Complementary

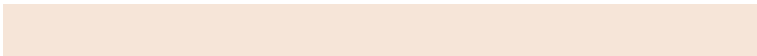
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0367, 80.7215, 78.1926



77.3195, 80.7215, 101.1282



78.4245, 80.7215, 76.6280

Square

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



77.3195, 80.7215, 101.1282



81.2156, 80.7215, 86.2001



76.1303, 80.7215, 75.8643



72.3999, 80.7215, 89.6059

Rectangle

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



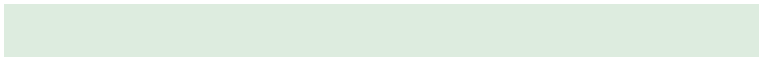
77.3195, 80.7215, 101.1282



80.5435, 80.7215, 94.8783



76.1303, 80.7215, 75.8643



73.0260, 80.7215, 81.2573

Sweetspot

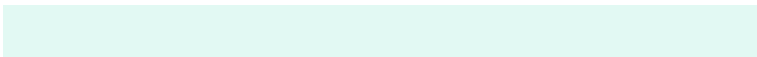
The Sweet Spot groups the original color and five complimentary colors.



77.3219, 80.7249, 101.1300



90.5143, 95.0238, 108.1786



81.3986, 90.3845, 97.8456



19.1202, 20.0602, 23.1142



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.



77.3219, 80.7249, 101.1300



79.2130, 82.5431, 106.3652



77.3701, 78.2838, 100.6563



16.6514, 17.3796, 21.8623



10.2617, 5.8790, 48.5675



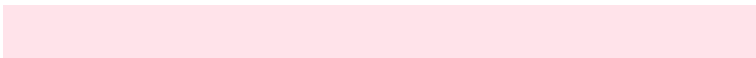
1.0326, 0.7089, 4.5256

Inverse Universe

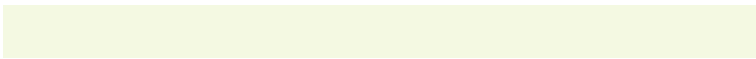
The Inverse Universe completely reimagines the original color for something new.



80.8306, 80.3603, 87.5987



83.5857, 82.1270, 89.4932



84.7856, 92.4113, 85.3214



17.4306, 17.2996, 18.8571



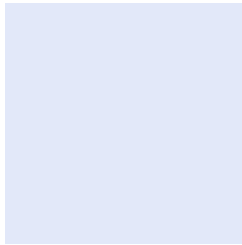
21.4717, 11.0044, 3.9262



2.0301, 1.0358, 0.5821

Previews

White Background



This preview shows how the XYZ color 77.3195, 80.7215, 101.1282 looks on a white background.

Color Contrast Check

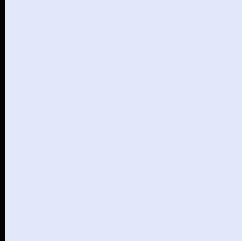
Large Text (above 18pt) WCAG AA × Fail

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 77.3195, 80.7215, 101.1282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

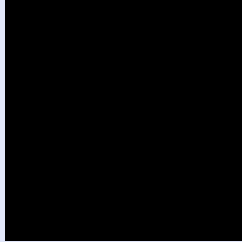
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.3195, 80.7215, 101.1282

Background



This preview shows how black text looks on a background with the XYZ color 77.3195, 80.7215, 101.1282.



This preview shows how white text looks on a background with the XYZ color 77.3195, 80.7215,

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

77.3195, 80.7215, 101.1282

Protanopia

78.1951, 80.3599, 100.1966

Deuteranopia

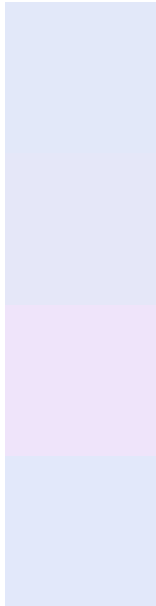
82.1866, 80.3454, 101.6190



Tritanopia

77.4760, 80.7841, 101.9520

Trichromacy



Original Color

77.3195, 80.7215, 101.1282

Protanomaly

77.8323, 80.5872, 100.2596

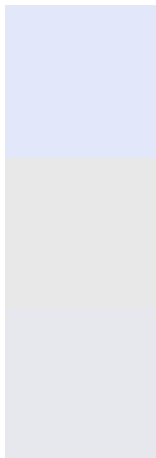
Deuteranomaly

80.5953, 80.7397, 101.7790

Tritanomaly

77.4760, 80.7841, 101.9520

Monochromacy



Original Color

77.3195, 80.7215, 101.1282

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 77.3195, 80.7215, 101.1282 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(226, 232, 249) looks like.

```
.text, #text, p{  
    color:rgb(226, 232, 249)  
}
```

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(226, 232, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 232, 249) }
```

Border

The CSS property to change the border of an element to XYZ 77.3195, 80.7215, 101.1282 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(226, 232, 249) }
```


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

```
.border{ border-color:rgb(226, 232, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 232, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 232, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 232, 249);  
box-shadow:4px 4px 4px 4px rgb(226, 232,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3195, 80.7215, 101.1282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 232, 249) }
```

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

```
.background{ background-color: rgb(226,  
232, 249) }
```

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