

Converting Colors

XYZ(77.6335, 81.0466,
104.4418)

Have a look what the booklet for
XYZ(77.6335, 81.0466, 104.4418)
contains.

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Color

**XYZ(77.9199, 81.3772,
104.5291)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E9FD
RGB	225, 233, 253
RGB Percent	88%, 91%, 99%
CMY	0.1176, 0.0863, 0.0078
CMYK	0.11, 0.08, 0.00, 0.01
HSL	223°, 88%, 94%
HSV	223°, 11%, 99%
XYZ	77.9199, 81.3772, 104.5291
YIQ	232.8880, -11.1880, 4.5240

Conversions

Conversions Part 2

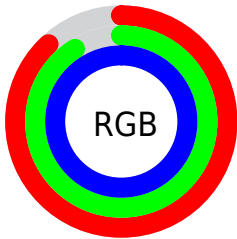
Format	Color
R_{YB}	225, 231, 253
Decimal	14805501
CIE _{Lab}	92.30, 1.15, -10.57
CIE _{LCh}	92, 10.637, 276.209
Yxy	81.3772, 0.2953, 0.3085
Android (android.graphics.Color)	4292995581 (0xFFE1E9FD)
YUV	232.8880, 9.9152, -6.9178
Hunter-Lab	90.2093, -3.6837, -5.5552

Details

The XYZ color **77.9199, 81.3772, 104.5291** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7516, 91.6234, 84.3486**, and the grayscale version is **77.3037, 81.3295, 88.5678**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2635, 43.9759, 58.4852** is the 20% darker color. If you saturate the color by 10%, you get **65.7540, 67.8988, 102.5700**, and if you desaturate by 10%, it is **91.7830, 96.5124, 106.7211**.

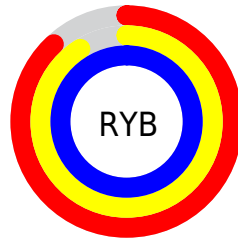
Distribution



Red (88%)

Green (91%)

Blue (99%)



Red (88%)

Yellow (91%)

Blue (99%)

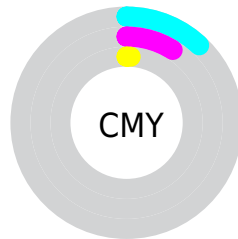


Cyan (11%)

Magenta (8%)

Yellow (0%)

Black (1%)



Cyan (12%)

Magenta (9%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9199, 81.3772, 104.5291 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 77.9199, 81.3772, 104.5291 by changing the saturation by 10% instead.

■ 77.9199, 81.3772,
104.5291

■ 77.9199, 81.3772,
104.5291

476.7387,
499.5621, 595.9881

■ 58.3107, 60.8523,
79.4504

129.4032,
135.3003, 169.4734

■ 42.3027, 44.1060,
58.7427

162.0080,
169.4673, 210.1761

■ 29.5306, 30.7538,
41.9874

199.6754,
208.9504, 256.9238

■ 19.6288, 20.4115,
28.7659

242.7707,
254.1340, 310.1353

■ 12.2322, 12.6945,
18.6598

291.6594,
305.4027, 370.2288

■ 6.9754, 7.2185,
11.2504

346.7067,

■ 3.4929, 3.5991,

363.1406, 437.6232

6.1192

408.2780,
427.7323, 512.7367

■ 1.4195, 1.4520,
2.8477

■ 0.2700, 0.2545,
1.0174

■ 77.9199, 81.3772,
104.5291

■ 77.9199, 81.3772,
104.5291

■ 65.7540, 67.8988,
102.5700

■ 91.7830, 96.5124,
106.7211

■ 55.2113, 56.0092,
100.8307

94.7299, 99.8719,
107.2142

■ 46.2227, 45.6506,
99.3051

■ 38.7111, 36.7577,
97.9845

■ 32.5928, 29.2599,
96.8597

■ 27.7749, 23.0805,
95.9209

■ 24.1523, 18.1342,
95.1571

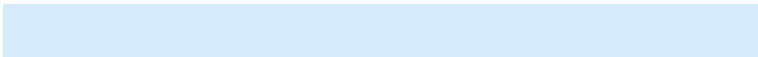
■ 21.6013, 14.3237,
94.5561

■ 20.0676, 11.7673,
94.1435

Harmonies

Analogous

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



75.2331, 81.3772, 103.1973



77.9199, 81.3772, 104.5291



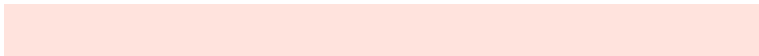
80.5124, 81.3772, 101.3948

Triad

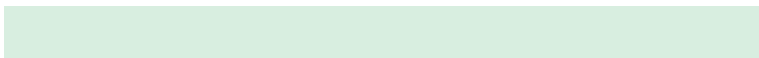
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9199, 81.3772, 104.5291



81.6919, 81.3772, 79.9579



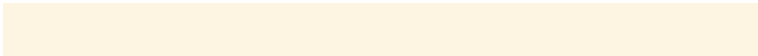
72.6085, 81.3772, 82.6365

Complementary

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



77.9199, 81.3772, 104.5291



86.7516, 91.6234, 84.3486

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.



74.2649, 81.3772, 76.9404



77.9199, 81.3772, 104.5291



79.4993, 81.3772, 75.4592

Square

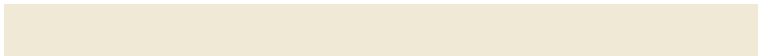
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9199, 81.3772, 104.5291



82.7232, 81.3772, 86.9781



76.7761, 81.3772, 74.3880



72.2082, 81.3772, 90.2539

Rectangle

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



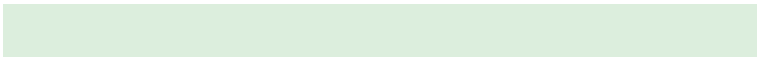
77.9199, 81.3772, 104.5291



81.8247, 81.3772, 97.2977



76.7761, 81.3772, 74.3880



73.0349, 81.3772, 80.4478

Sweetspot

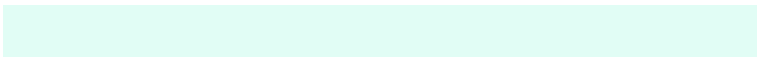
The Sweet Spot groups the original color and five complimentary colors.



77.9223, 81.3806, 104.5309



90.5731, 95.1414, 108.1982



82.5985, 92.8278, 99.6320



19.1361, 20.0919, 23.1195



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.



77.9223, 81.3806, 104.5309



76.7952, 80.0598, 106.0133



77.4824, 77.8664, 103.8758



17.4258, 18.2232, 22.8489



10.7818, 6.4731, 50.1158



1.1382, 0.8071, 4.9091

Inverse Universe

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



82.1431, 80.6181, 88.3261



81.7912, 79.2108, 86.8205



87.2163, 95.5352, 85.0792



18.2228, 18.0724, 19.7905



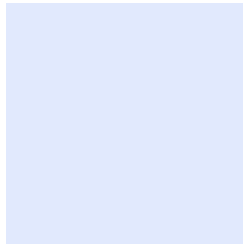
22.2303, 11.3814, 4.5974



2.2091, 1.1260, 0.6827

Previews

White Background



This preview shows how the XYZ color 77.9199, 81.3772, 104.5291 looks on a white background.

Color Contrast Check

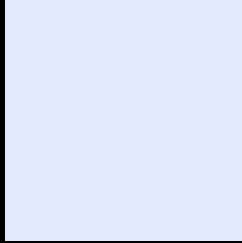
Large Text (above 18pt) WCAG AA × Fail

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 77.9199, 81.3772, 104.5291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

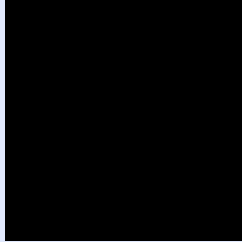
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9199, 81.3772, 104.5291

Background



This preview shows how black text looks on a background with the XYZ color 77.9199, 81.3772, 104.5291.

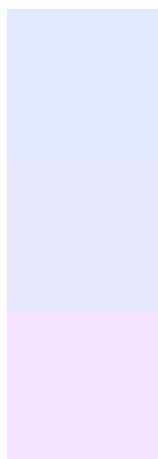


This preview shows how white text looks on a background with the XYZ color 77.9199, 81.3772,

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

77.9199, 81.3772, 104.5291

Protanopia

79.1016, 81.1690, 103.5935

Deuteranopia

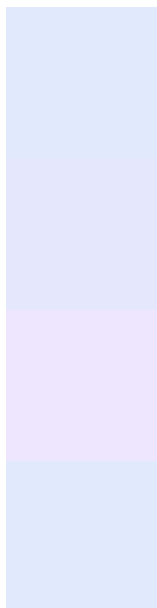
82.7419, 80.9609, 105.0320



Tritanopia

77.7609, 81.3137, 103.6921

Trichromacy



Original Color

77.9199, 81.3772, 104.5291

Protanomaly

78.7404, 81.3995, 103.6571

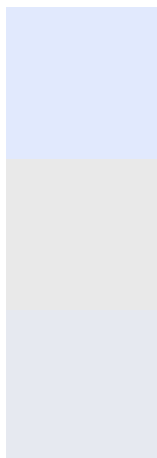
Deuteranomaly

81.1686, 81.3715, 105.1942

Tritanomaly

77.7609, 81.3137, 103.6921

Monochromacy



Original Color

77.9199, 81.3772, 104.5291

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5002, 81.3921, 94.0636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9199, 81.3772, 104.5291 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(225, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(225, 233, 253)  
}
```

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(225, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 233, 253) }
```

Border

The CSS property to change the border of an element to XYZ 77.9199, 81.3772, 104.5291 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(225, 233, 253) }
```


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

```
.border{ border-color:rgb(225, 233, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 233, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 233, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 233, 253);  
box-shadow:4px 4px 4px 4px rgb(225, 233,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9199, 81.3772, 104.5291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 233, 253) }
```

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

```
.background{ background-color: rgb(225,  
233, 253) }
```

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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