

Converting Colors

XYZ(76.2115, 73.7118,
104.8188)

Have a look what the booklet for
XYZ(76.2115, 73.7118, 104.8188)
contains.

XYZ(76.2101, 73.6554, 104.8079)	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(76.2101, 73.6554,
104.8079)**

Conversions

Conversions Part 1

Format	Color
Hex	E9D8FF
RGB	233, 216, 255
RGB Percent	91%, 85%, 100%
CMY	0.0863, 0.1529, 0.0000
CMYK	0.09, 0.15, 0.00, 0.00
HSL	266°, 100%, 92%
HSV	266°, 15%, 100%
XYZ	76.2101, 73.6554, 104.8079
YIQ	225.5290, -2.3870, 15.7330

Conversions

Conversions Part 2

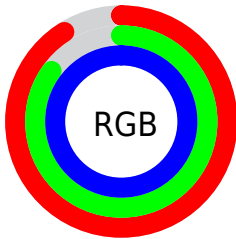
Format	Color
R_{YB}	233, 216, 255
Decimal	15325439
CIE _{Lab}	88.76, 12.96, -16.85
CIE _{LCh}	89, 21.261, 307.561
Yxy	73.6554, 0.2992, 0.2892
Android (android.graphics.Color)	4293515519 (0xFFE9D8FF)
YUV	225.5290, 14.5292, 6.5521
Hunter-Lab	85.8227, 8.3172, -12.3299

Details

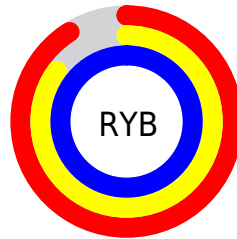
The XYZ color **76.2101, 73.6554, 104.8079** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.4164, 94.6559, 78.8433**, and the grayscale version is **71.8504, 75.5922, 82.3199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0694, 38.9141, 58.7727** is the 20% darker color. If you saturate the color by 10%, you get **65.6713, 59.2669, 102.5861**, and if you desaturate by 10%, it is **88.1496, 90.2748, 107.3865**.

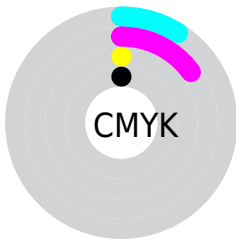
Distribution



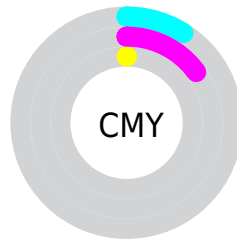
- Red (91%)
- Green (85%)
- Blue (100%)



- Red (91%)
- Yellow (85%)
- Blue (100%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2101, 73.6554, 104.8079 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 76.2101, 73.6554, 104.8079 by changing the saturation by 10% instead.

76.2101, 73.6554,
104.8079

76.2101, 73.6554,
104.8079

470.9999,
473.2832, 596.8775

56.9025, 54.5120,
79.6827

127.0026,
124.4072, 169.8581

41.1668, 39.0112,
58.9326

159.2182,
156.7844, 210.6201

28.6377, 26.7684,
42.1392

196.4672,
194.3417, 257.4315

18.9498, 17.3994,
28.8839

239.1149,
237.4635, 310.7108

11.7378, 10.5196,
18.7482

287.5266,
286.5341, 370.8765

6.6363, 5.7448,
11.3135

342.0678,

3.2800, 2.6906,

341.9380, 438.3471

6.1613

403.1038,
404.0596, 513.5413

■ 1.3035, 0.9724,
2.8730

■ 0.1858, 0.0000,
1.0302

■ 76.2101, 73.6554,
104.8079

■ 76.2101, 73.6554,
104.8079

■ 65.6713, 59.2669,
102.5861

■ 88.1496, 90.2748,
107.3865

■ 56.4714, 47.0023,
100.7037

95.0500, 100.0000,
108.9000

■ 48.5527, 36.7592,
99.1440

■ 41.8506, 28.4232,
97.8882

■ 36.2944, 21.8676,
96.9157

■ 31.8049, 16.9500,
96.2031

■ 28.2908, 13.5049,
95.7234

■ 25.6418, 11.3290,
95.4430

■ 24.6240, 10.6090,
95.3577

Harmonies

Analogous

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



71.3165, 73.6554, 111.6757



76.2101, 73.6554, 104.8079



79.5507, 73.6554, 91.5011

Triad

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



76.2101, 73.6554, 104.8079



73.8500, 73.6554, 56.7667



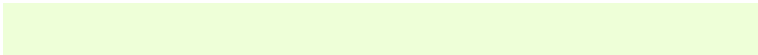
60.6550, 73.6554, 83.9826

Complementary

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



76.2101, 73.6554, 104.8079



83.4164, 94.6559, 78.8433

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.



61.2593, 73.6554, 69.8667



76.2101, 73.6554, 104.8079



68.7141, 73.6554, 55.2725

Square

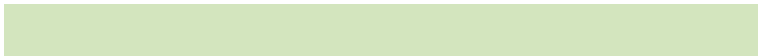
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2101, 73.6554, 104.8079



78.1423, 73.6554, 64.1432



64.1504, 73.6554, 59.7781



62.4574, 73.6554, 98.7309

Rectangle

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



76.2101, 73.6554, 104.8079



80.3590, 73.6554, 81.4095



64.1504, 73.6554, 59.7781



60.5850, 73.6554, 78.9990

Sweetspot

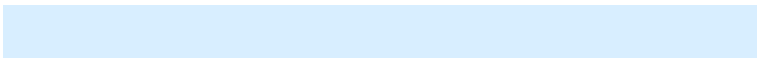
The Sweet Spot groups the original color and five complimentary colors.



76.2121, 73.6584, 104.8084



88.5197, 90.7944, 107.4673



76.9748, 83.0284, 106.5768



18.7567, 19.1668, 22.9609



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.



76.2121, 73.6584, 104.8084



73.2221, 69.5455, 104.1722



82.8973, 77.1047, 105.1213



17.7541, 17.7650, 22.7432



13.0306, 5.6280, 49.8341



1.3914, 0.6112, 4.8579

Inverse Universe

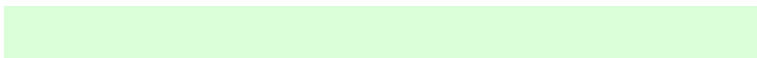
The Inverse Universe completely reimagines the original color for something new.



81.2304, 76.5477, 91.3855



79.0595, 72.9078, 88.4982



77.2501, 91.4770, 78.5547



18.4386, 18.1588, 20.9269



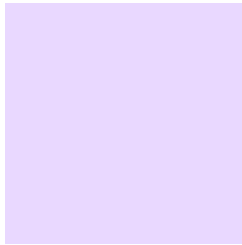
24.2497, 12.1892, 15.2314



2.4160, 1.2088, 1.7721

Previews

White Background



This preview shows how the XYZ color 76.2101, 73.6554, 104.8079 looks on a white background.

Color Contrast Check

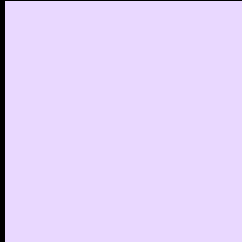
Large Text (above 18pt) WCAG AA × Fail

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 76.2101, 73.6554, 104.8079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

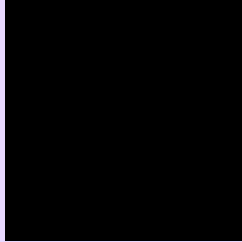
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.2101, 73.6554, 104.8079

Background



This preview shows how black text looks on a background with the XYZ color 76.2101, 73.6554, 104.8079.

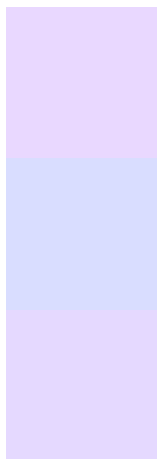


This preview shows how white text looks on a background with the XYZ color 76.2101, 73.6554,

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

76.2101, 73.6554, 104.8079

Protanopia

72.5217, 73.6846, 105.0080

Deuteranopia

75.1760, 73.5037, 104.8332



Tritanopia

73.1050, 73.5422, 89.6989

Trichromacy



Original Color

76.2101, 73.6554, 104.8079

Protanomaly

73.8129, 73.5710, 104.9180

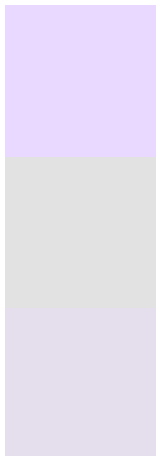
Deuteranomaly

75.4960, 73.6687, 104.8482

Tritanomaly

74.2041, 73.6028, 95.0898

Monochromacy



Original Color

76.2101, 73.6554, 104.8079

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

73.7204, 75.0150, 90.7146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2101, 73.6554, 104.8079 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(233, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 216, 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(233, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.2101, 73.6554, 104.8079 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(233, 216, 255) }
```


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

```
.border{ border-color:rgb(233, 216, 255) }
```

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

Here you see how a box with a 4 pixel rgb(233, 216, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2101, 73.6554, 104.8079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 216, 255) }
```

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

```
.background{ background-color: rgb(233,  
216, 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