

Converting Colors

XYZ(99.6007, 83.4950, 97.3144)

Have a look what the booklet for
XYZ(99.6007, 83.4950, 97.3144)
contains.

XYZ(80.7680, 73.9458, 96.4022)	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(80.7680, 73.9458,
96.4022)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD2F5
RGB	255, 210, 245
RGB Percent	100%, 82%, 96%
CMY	0.0000, 0.1764, 0.0392
CMYK	0.00, 0.18, 0.04, 0.00
HSL	313°, 100%, 91%
HSV	313°, 18%, 100%
XYZ	80.7680, 73.9458, 96.4022
YIQ	227.4450, 15.5850, 20.4250

Conversions

Conversions Part 2

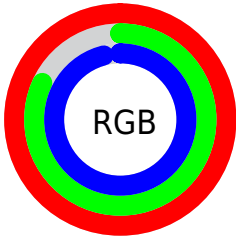
Format	Color
R _Y B	255, 210, 245
Decimal	16765685
CIE Lab	88.90, 21.45, -11.19
CIE LCh	89, 24.193, 332.451
Yxy	73.9458, 0.3216, 0.2945
Android (android.graphics.Color)	4294955765 (0xFFFFD2F5)
YUV	227.4450, 8.6546, 24.1657
Hunter-Lab	85.9917, 17.1711, -6.2736

Details

The XYZ color **80.7680, 73.9458, 96.4022** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.2589, 90.3901, 81.1939**, and the grayscale version is **73.2702, 77.0859, 83.9466**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1954, 39.1226, 53.3662** is the 20% darker color. If you saturate the color by 10%, you get **74.1153, 62.0034, 89.9823**, and if you desaturate by 10%, it is **88.4537, 87.9109, 103.2991**.

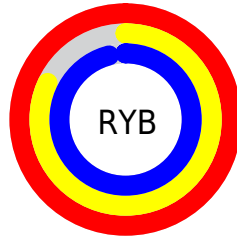
Distribution



Red (100%)

Green (82%)

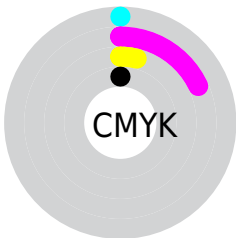
Blue (96%)



Red (100%)

Yellow (82%)

Blue (96%)

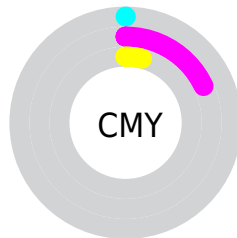


Cyan (0%)

Magenta (18%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7680, 73.9458, 96.4022 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 80.7680, 73.9458, 96.4022 by changing the saturation by 10% instead.


 80.7680, 73.9458,
96.4022

 80.7680, 73.9458,
96.4022


486.2145,
474.2863, 569.7429

 60.6612, 54.7497,
72.6993


133.3898,
124.8190, 158.2126

 44.2033, 39.2013,
53.2398


166.6355,
157.2648, 197.1571

 31.0290, 26.9164,
37.6052


204.9916,
194.8960, 242.0192

 20.7728, 17.5104,
25.3769

248.8234,
238.0970, 293.2175

 13.0696, 10.5991,
16.1365

298.4962,
287.2521, 351.1705

 7.5538, 5.7979,
9.4654

354.3754,

 3.8602, 2.7226,

342.7458, 416.2967

4.9451

416.8264,
404.9624, 489.0146

■ 1.6233, 0.9887,
2.1569

■ 0.4075, 0.0000,
0.6493

■ 80.7680, 73.9458,
96.4022

■ 80.7680, 73.9458,
96.4022

■ 74.1153, 62.0034,
89.9823

■ 88.4537, 87.9109,
103.2991

■ 68.4428, 51.9798,
84.0178

95.0500, 100.0000,
108.9000

■ 63.7007, 43.7755,
78.4918

■ 59.8329, 37.2783,
73.3844

■ 56.7768, 32.3637,
68.6737

■ 54.4614, 28.8901,
64.3347

■ 52.8032, 26.6906,
60.3383

■ 51.6917, 25.5450,
56.6465

■ 51.4715, 25.3526,
55.8084

Harmonies

Analogous

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



76.5123, 73.9458, 110.9735



80.7680, 73.9458, 96.4022



82.1682, 73.9458, 79.1408

Triad

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



80.7680, 73.9458, 96.4022



69.8020, 73.9458, 52.3553



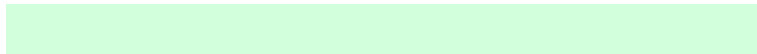
61.1863, 73.9458, 99.1255

Complementary

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



80.7680, 73.9458, 96.4022



75.2589, 90.3901, 81.1939

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.



59.6035, 73.9458, 81.9038



80.7680, 73.9458, 96.4022



64.4018, 73.9458, 56.2108

Square

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



80.7680, 73.9458, 96.4022



75.6315, 73.9458, 55.1306



60.7476, 73.9458, 66.4758



65.1933, 73.9458, 112.6932

Rectangle

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



80.7680, 73.9458, 96.4022



81.2343, 73.9458, 68.7950



60.7476, 73.9458, 66.4758



60.3635, 73.9458, 93.4944

Sweetspot

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



80.7697, 73.9488, 96.4038



90.6637, 91.9520, 105.2040



70.5391, 68.4935, 104.1105



19.2785, 19.4486, 22.4089



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.



80.7697, 73.9488, 96.4038



78.4245, 69.7205, 94.1972



77.5742, 72.6706, 79.5767



18.6097, 18.2272, 21.8279



26.9536, 13.2708, 29.4701



2.6649, 1.3083, 3.0828

Inverse Universe

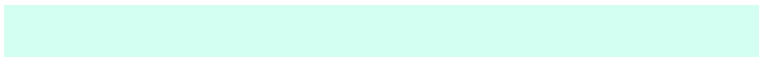
The Inverse Universe completely reimagines the original color for something new.



80.7697, 73.9488, 96.4038



78.4245, 69.7205, 94.1972



78.4049, 91.6485, 97.7603



18.6097, 18.2272, 21.8279



26.9536, 13.2708, 29.4701



2.6649, 1.3083, 3.0828

Previews

White Background



This preview shows how the XYZ color 80.7680, 73.9458, 96.4022 looks on a white background.

Color Contrast Check

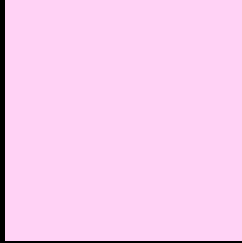
Large Text (above 18pt) WCAG AA × Fail

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 80.7680, 73.9458, 96.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

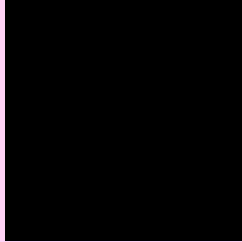
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.7680, 73.9458, 96.4022

Background



This preview shows how black text looks on a background with the XYZ color 80.7680, 73.9458, 96.4022.



This preview shows how white text looks on a background with the XYZ color 80.7680, 73.9458,

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

80.7680, 73.9458, 96.4022

Protanopia

72.9054, 74.3309, 102.6002

Deuteranopia

75.7341, 73.9902, 95.8779



Tritanopia

78.4451, 74.1283, 84.3024

Trichromacy



Original Color

80.7680, 73.9458, 96.4022

Protanomaly

75.4490, 74.1382, 99.9560

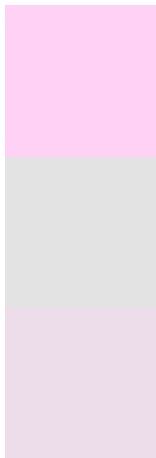
Deuteranomaly

77.3378, 73.6795, 95.7334

Tritanomaly

79.4119, 74.1560, 88.7253

Monochromacy



Original Color

80.7680, 73.9458, 96.4022

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

75.6328, 75.6579, 88.4591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7680, 73.9458, 96.4022 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(255, 210, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 245)  
}
```

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(255, 210, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 245) }
```

Border

The CSS property to change the border of an element to XYZ 80.7680, 73.9458, 96.4022 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(255, 210, 245) }
```


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

```
.border{ border-color:rgb(255, 210, 245) }
```

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

Here you see how a box with a 4 pixel rgb(255, 210, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7680, 73.9458, 96.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 245) }
```

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

```
.background{ background-color: rgb(255,  
210, 245) }
```

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