

# Converting Colors

XYZ(76.2746, 78.5492,  
105.7491)

Have a look what the booklet for  
XYZ(76.2746, 78.5492, 105.7491)  
contains.

<b>XYZ(76.2248, 78.3948, 105.7220)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**XYZ(76.2248, 78.3948,  
105.7220)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DFE4FF
RGB	223, 228, 255
RGB Percent	87%, 89%, 100%
CMY	0.1255, 0.1059, 0.0000
CMYK	0.13, 0.11, 0.00, 0.00
HSL	231°, 100%, 94%
HSV	231°, 13%, 100%
XYZ	76.2248, 78.3948, 105.7220
YIQ	229.5830, -11.6470, 7.3370

# Conversions

## Conversions Part 2

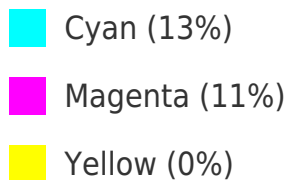
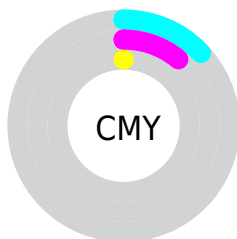
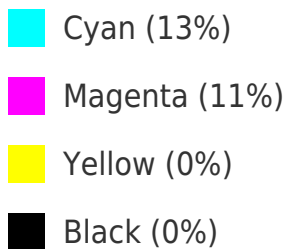
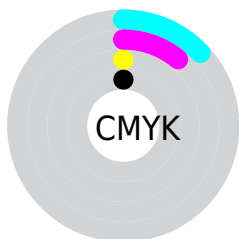
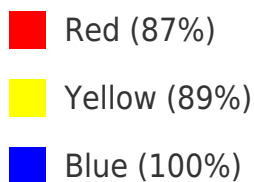
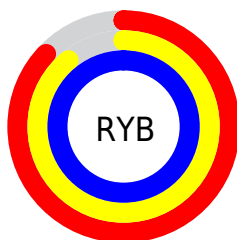
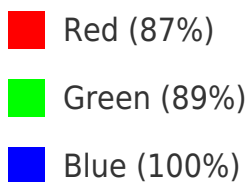
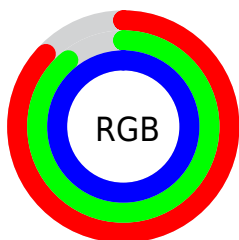
Format	Color
<a href="#">RYB</a>	<a href="#">223, 227, 255</a>
Decimal	<a href="#">14673151</a>
CIELab	<a href="#">90.96, 3.51, -13.63</a>
CIELCh	<a href="#">91, 14.076, 284.423</a>
Yxy	<a href="#">78.3948, 0.2928, 0.3011</a>
Android (android.graphics.Color)	<a href="#">4292863231</a> (0xFFDFE4FF)
YUV	<a href="#">229.5830, 12.5306, -5.7733</a>
Hunter-Lab	<a href="#">88.5408, -1.2758, -8.8165</a>

# Details

The XYZ color **76.2248, 78.3948, 105.7220** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.7442, 94.9571, 83.4648**, and the grayscale version is **74.8241, 78.7208, 85.7270**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2851, 42.2892, 59.4128** is the 20% darker color. If you saturate the color by 10%, you get **63.3977, 63.5382, 103.5304**, and if you desaturate by 10%, it is **90.9757, 95.3405, 108.2154**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2248, 78.3948, 105.7220 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 76.2248, 78.3948, 105.7220 by changing the saturation by 10% instead.




 76.2248, 78.3948,  
105.7220

 76.2248, 78.3948,  
105.7220


471.0495,  
489.5066, 599.7889

 56.9146, 58.3984,  
80.4443


127.0233,  
131.1065, 171.1188

 41.1765, 42.1290,  
59.5557


159.2422,  
164.5906, 212.0749

 28.6453, 29.2023,  
42.6377


196.4948,  
203.3393, 259.0943

 18.9556, 19.2339,  
29.2717

239.1464,  
247.7371, 312.5955

 11.7420, 11.8394,  
19.0391

287.5623,  
298.1683, 372.9970

 6.6392, 6.6344,  
11.5214


342.1078,


 3.2818, 3.2345,

355.0173, 440.7174


6.3001


403.1484,  
418.6686, 516.1752


 1.3045, 1.2554,  
2.9567


 0.1866, 0.1063,  
1.0726

 76.2248, 78.3948,  
105.7220


 76.2248, 78.3948,  
105.7220


 63.3977, 63.5382,  
103.5304

 90.9757, 95.3405,  
108.2154

 52.4084, 50.6802,  
101.6278

95.0500, 100.0000,  
108.9000

 43.1737, 39.7375,  
100.0023

 35.6016, 30.6173,  
98.6411

■ 29.5912, 23.2191,  
97.5298

■ 25.0309, 17.4322,  
96.6532

■ 21.7934, 13.1327,  
95.9940

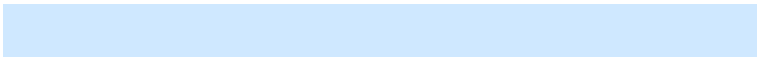
■ 19.7280, 10.1773,  
95.5324

■ 18.8045, 8.7289,  
95.3015

# Harmonies

## Analogous

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



72.6942, 78.3948, 105.6046



76.2248, 78.3948, 105.7220



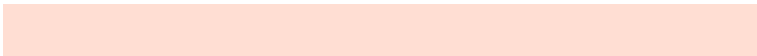
79.3917, 78.3948, 100.0927

# Triad

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



76.2248, 78.3948, 105.7220



79.4931, 78.3948, 72.3955



68.1292, 78.3948, 80.2169

# Complementary

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



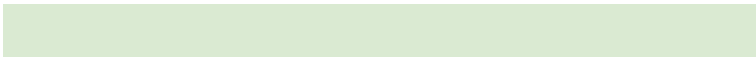
76.2248, 78.3948, 105.7220



88.7442, 94.9571, 83.4648

# 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.



69.8362, 78.3948, 72.1465



76.2248, 78.3948, 105.7220



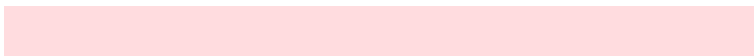
76.3596, 78.3948, 67.8812

# Square

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



76.2248, 78.3948, 105.7220



81.3189, 78.3948, 80.5821



72.8249, 78.3948, 67.7938



68.0957, 78.3948, 90.3202



# Rectangle

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



76.2248, 78.3948, 105.7220



80.8390, 78.3948, 94.0780



72.8249, 78.3948, 67.7938



68.5239, 78.3948, 77.1954

# Sweetspot

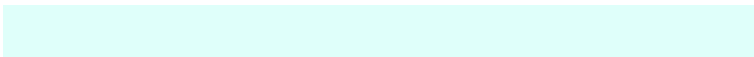
The Sweet Spot groups the original color and five complimentary colors.



76.2269, 78.3980, 105.7225



88.7124, 92.7485, 107.8343



83.3952, 94.0896, 103.9347



18.7406, 19.5684, 23.0393



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.



76.2269, 78.3980, 105.7225



72.9068, 74.5650, 105.1576



78.2610, 77.4328, 105.4290



17.2323, 17.8362, 22.7844



9.8933, 4.6963, 49.8196



1.0265, 0.5837, 4.8718



# Inverse Universe

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



81.6326, 79.6382, 84.4718



79.2714, 76.0701, 80.1267



86.5038, 96.1407, 83.8113



18.1251, 18.0334, 19.2762



21.7819, 11.2021, 2.2360

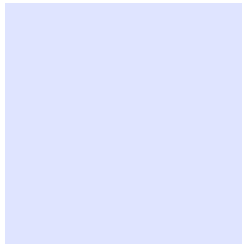


2.1527, 1.1035, 0.3858



# Previews

## White Background



This preview shows how the XYZ color 76.2248, 78.3948, 105.7220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

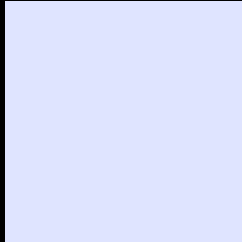
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2248, 78.3948, 105.7220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

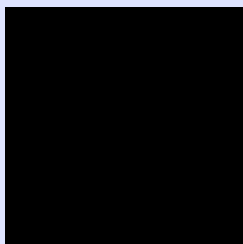
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.2248, 78.3948, 105.7220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.2248, 78.3948, 105.7220.



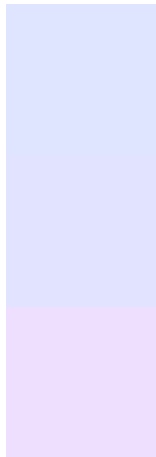
This preview shows how white text looks on a background with the XYZ color 76.2248, 78.3948,



# 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

76.2248, 78.3948, 105.7220

### Protanopia

76.5704, 78.1657, 105.6595

### Deuteranopia

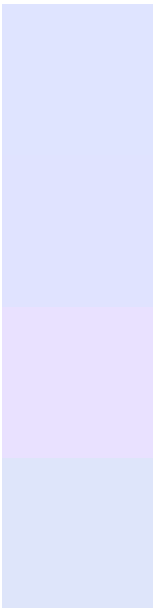
79.6976, 78.1725, 105.4960



## Tritanopia

74.9320, 78.2836, 99.1566

# Trichromacy



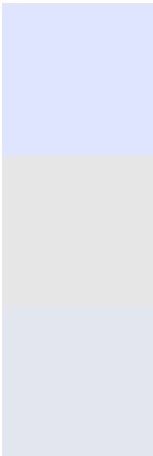
**Original Color**  
76.2248, 78.3948, 105.7220

**Protanomaly**  
76.2596, 78.0055, 105.6450

**Deuteranomaly**  
78.5795, 78.3941, 105.5977

**Tritanomaly**  
75.3988, 78.4703, 101.6148

# Monochromacy



**Original Color**  
76.2248, 78.3948, 105.7220

**Achromatopsia**  
75.2129, 79.1298, 86.1723

**Achromatomaly**  
75.2779, 78.6015, 92.8654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2248, 78.3948, 105.7220 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(223, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 228, 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(223, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2248, 78.3948, 105.7220 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(223, 228, 255) }
```



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

```
.border{ border-color:rgb(223, 228, 255) }
```

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

Here you see how a box with a 4 pixel rgb(223, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 228,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2248, 78.3948, 105.7220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 228, 255) }
```

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

```
.background{ background-color: rgb(223,  
228, 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](#).

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