

# Converting Colors

XYZ(90.9387, 72.2822,  
126.0296)

Have a look what the booklet for  
XYZ(90.9387, 72.2822, 126.0296)  
contains.

<b>XYZ(78.1396, 66.1793, 103.2632)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(78.1396, 66.1793,  
103.2632)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC0FF
RGB	255, 192, 255
RGB Percent	100%, 75%, 100%
CMY	0.0000, 0.2470, 0.0000
CMYK	0.00, 0.25, 0.00, 0.00
HSL	300°, 100%, 88%
HSV	300°, 25%, 100%
XYZ	78.1396, 66.1793, 103.2632
YIQ	218.0190, 17.3250, 32.9490

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 192, 255
Decimal	16761087
CIE <sub>Lab</sub>	85.09, 32.67, -22.21
CIE <sub>LCh</sub>	85, 39.507, 325.796
Yxy	66.1793, 0.3156, 0.2673
Android (android.graphics.Color)	4294951167 (0xFFFFC0FF)
YUV	218.0190, 18.2316, 32.4323
Hunter-Lab	81.3507, 29.0906, -18.3148

# Details

The XYZ color **78.1396, 66.1793, 103.2632** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.0148, 86.5333, 63.0431**, and the grayscale version is **66.5250, 69.9895, 76.2185**.

A 20% lighter version of the original color is **93.1657, 96.2314, 108.2719**, and **42.5702, 34.2599, 57.7952** is the 20% darker color. If you saturate the color by 10%, you get **73.0184, 55.9367, 101.5561**, and if you desaturate by 10%, it is **84.2334, 78.3669, 105.2945**.

# Distribution



- Red (100%)
- Green (75%)
- Blue (100%)



- Red (100%)
- Yellow (75%)
- Blue (100%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1396, 66.1793, 103.2632 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 78.1396, 66.1793, 103.2632 by changing the saturation by 10% instead.





 78.1396, 66.1793,  
103.2632

 78.1396, 66.1793,  
103.2632

477.4734,  
447.0178, 591.9407

 58.4918, 48.4180,  
78.3965


 129.7112,  
113.7436, 167.7252

 42.4490, 34.1580,  
57.8814

162.3658,  
144.3154, 208.1577

 29.6457, 23.0150,  
41.2992


200.0867,  
179.9262, 254.6158

 19.7165, 14.6046,  
28.2315

243.2393,  
220.9603, 307.5182

 12.2962, 8.5424,  
18.2597

292.1888,  
267.8021, 367.2833

 7.0194, 4.4439,  
10.9652

347.3008,

 3.5207, 1.9248,

320.8360, 434.3298

5.9296

408.9405,  
380.4465, 509.0760

■ 1.4347, 0.5633,  
2.7342

■ 0.2807, 0.0000,  
0.9606

■ 78.1396, 66.1793,  
103.2632

■ 78.1396, 66.1793,  
103.2632

■ 73.0184, 55.9367,  
101.5561

■ 84.2334, 78.3669,  
105.2945

■ 68.8157, 47.5315,  
100.1552

■ 91.3423, 92.5847,  
107.6641

■ 65.4786, 40.8572,  
99.0429

95.0500, 100.0000,  
108.9000

■ 62.9467, 35.7933,  
98.1989

■ 61.1521, 32.2041,  
97.6007

■ 60.0157, 29.9314,  
97.2219

■ 59.4405, 28.7809,  
97.0302

■ 59.2900, 28.4800,  
96.9800

# Harmonies

## Analogous

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



70.6446, 66.1793, 125.7932



78.1396, 66.1793, 103.2632



81.5548, 66.1793, 75.7106

# Triad

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



78.1396, 66.1793, 103.2632



64.1642, 66.1793, 33.4037



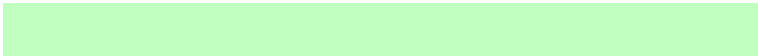
48.7199, 66.1793, 95.5541

# Complementary

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



78.1396, 66.1793, 103.2632



67.0148, 86.5333, 63.0431

# 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.



47.3341, 66.1793, 68.5248



78.1396, 66.1793, 103.2632



55.7458, 66.1793, 36.3310

# Square

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



78.1396, 66.1793, 103.2632



73.0183, 66.1793, 38.6546



49.7855, 66.1793, 47.8729



53.7651, 66.1793, 120.6562



# Rectangle

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



78.1396, 66.1793, 103.2632



80.8434, 66.1793, 59.5256



49.7855, 66.1793, 47.8729



47.8323, 66.1793, 86.2364

# Sweetspot

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



78.1409, 66.1818, 103.2636



89.6176, 89.1353, 107.0892



58.6406, 56.1291, 102.3510



19.0868, 18.8885, 22.8898



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.



78.1409, 66.1818, 103.2636



75.3101, 60.5201, 102.3200



73.4781, 64.3167, 78.7097



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

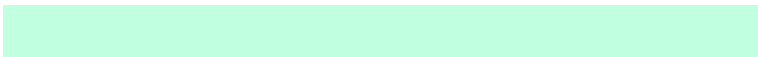
The Inverse Universe completely reimagines the original color for something new.



78.1409, 66.1818, 103.2636



75.3101, 60.5201, 102.3200



70.8869, 88.0821, 83.4335



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 78.1396, 66.1793, 103.2632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

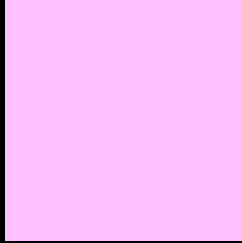
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1396, 66.1793, 103.2632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

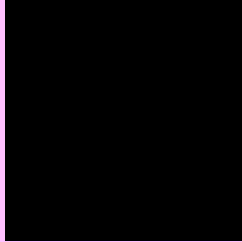
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.1396, 66.1793, 103.2632

## Background



This preview shows how black text looks on a background with the XYZ color 78.1396, 66.1793, 103.2632.



This preview shows how white text looks on a background with the XYZ color 78.1396, 66.1793,



# 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

78.1396, 66.1793, 103.2632

### Protanopia

65.9729, 66.5050, 103.9674

### Deuteranopia

67.8581, 66.4362, 101.3424



## Tritanopia

71.7561, 65.8929, 73.2266

# Trichromacy



## Original Color

78.1396, 66.1793, 103.2632



## Protanomaly

69.7671, 65.9353, 103.6574



## Deuteranomaly

71.1633, 65.9909, 101.9153



## Tritanomaly

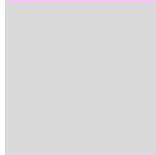
73.8065, 65.7023, 83.6547

# Monochromacy



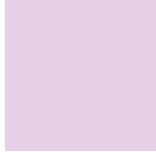
## Original Color

78.1396, 66.1793, 103.2632



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

70.1793, 68.3594, 85.0971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1396, 66.1793, 103.2632 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, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 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(255, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1396, 66.1793, 103.2632 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, 192, 255) }
```



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

```
.border{ border-color:rgb(255, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1396, 66.1793, 103.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 255) }
```

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

```
.background{ background-color: rgb(255,  
192, 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