

# Converting Colors

XYZ(76.1038, 78.4378, 61.2453)

Have a look what the booklet for  
XYZ(76.1038, 78.4378, 61.2453)  
contains.

<b>XYZ(76.1351, 78.5225, 61.0128)</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(76.1351, 78.5225,  
61.0128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE2C0
RGB	250, 226, 192
RGB Percent	98%, 89%, 75%
CMY	0.0196, 0.1137, 0.2471
CMYK	0.00, 0.10, 0.23, 0.02
HSL	35°, 85%, 87%
HSV	35°, 23%, 98%
XYZ	76.1351, 78.5225, 61.0128
YIQ	229.3000, 25.2180, -5.4860

# Conversions

## Conversions Part 2

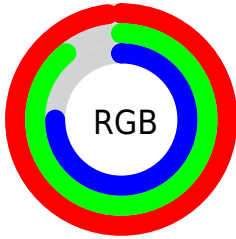
Format	Color
R <sub>Y</sub> B	233, 250, 192
Decimal	16442048
CIE Lab	91.02, 3.07, 19.63
CIE LCh	91, 19.867, 81.100
Yxy	78.5225, 0.3530, 0.3641
Android (android.graphics.Color)	4294632128 (0xFFFAE2C0)
YUV	229.3000, -18.3889, 18.1539
Hunter-Lab	88.6129, -1.7077, 21.2060

# Details

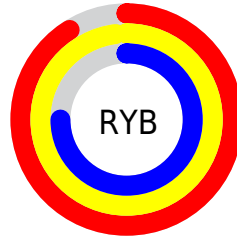
The XYZ color **76.1351, 78.5225, 61.0128** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.5489, 67.2185, 100.0678**, and the grayscale version is **74.8170, 78.7133, 85.7188**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **41.1427, 42.2983, 30.0407** is the 20% darker color. If you saturate the color by 10%, you get **70.8695, 72.0538, 46.7327**, and if you desaturate by 10%, it is **82.0451, 85.5259, 77.8309**.

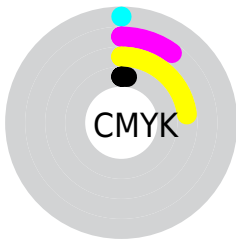
# Distribution



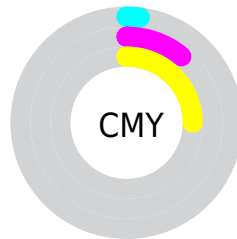
- Red (98%)
- Green (89%)
- Blue (75%)



- Red (91%)
- Yellow (98%)
- Blue (75%)



- Cyan (0%)
- Magenta (10%)
- Yellow (23%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1351, 78.5225, 61.0128 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 76.1351, 78.5225, 61.0128 by changing the saturation by 10% instead.





 76.1351, 78.5225,  
61.0128

 76.1351, 78.5225,  
61.0128


470.7473,  
489.9395, 446.2288

 56.8407, 58.5033,  
43.8049


 126.8972,  
131.2864, 107.8552

 41.1170, 42.2134,  
30.1811


159.0956,  
164.7999, 138.3267

 28.5986, 29.2684,  
19.7228


196.3262,  
203.5803, 174.0565

 18.9201, 19.2840,  
12.0117

238.9541,  
248.0120, 215.4632

 11.7163, 11.8757,  
6.6290

287.3449,  
298.4794, 262.9652

 6.6216, 6.6591,  
3.1563

341.8637,

 3.2708, 3.2498,

355.3668, 316.9811

1.1750

402.8761,  
419.0587, 377.9294

■ 1.2985, 1.2635,  
0.0000

■ 0.1821, 0.1127,  
0.0000

■ 76.1351, 78.5225,  
61.0128

■ 76.1351, 78.5225,  
61.0128

■ 70.8695, 72.0538,  
46.7327

■ 82.0451, 85.5259,  
77.8309

■ 66.2153, 66.0936,  
34.8593

■ 88.6182, 93.0679,  
97.2992

■ 62.1458, 60.6291,  
25.2573

■ 93.2345, 99.0641,  
108.8150

■ 58.6292, 55.6427,  
17.7756

■ 55.6305, 51.1150,  
12.2446

■ 53.1091, 47.0246,  
8.4681

■ 51.0167, 43.3467,  
6.2083

■ 49.7922, 41.0595,  
5.3009

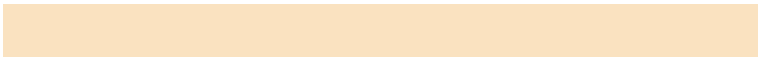
# Harmonies

## Analogous

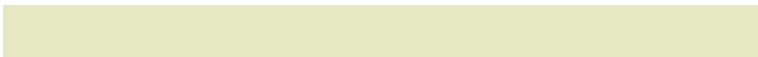
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8540, 78.5225, 65.7557



76.1351, 78.5225, 61.0128



71.2154, 78.5225, 62.2340

# Triad

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



76.1351, 78.5225, 61.0128



65.9935, 78.5225, 95.8300



82.3922, 78.5225, 104.0389

# Complementary

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



76.1351, 78.5225, 61.0128



63.5489, 67.2185, 100.0678

# Split Complementary

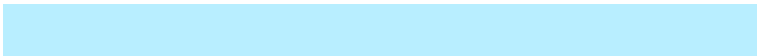
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1588, 78.5225, 113.9376



76.1351, 78.5225, 61.0128



68.7401, 78.5225, 108.8415

# Square

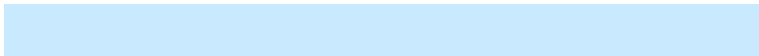
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1351, 78.5225, 61.0128



65.5060, 78.5225, 81.2959



73.1513, 78.5225, 115.7872



84.5713, 78.5225, 89.8418



# Rectangle

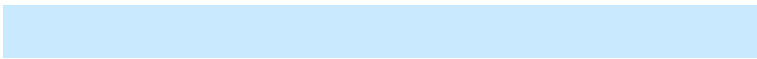
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.1351, 78.5225, 61.0128



68.4720, 78.5225, 66.3295



73.1513, 78.5225, 115.7872



81.1535, 78.5225, 108.0428

# Sweetspot

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



76.1372, 78.5260, 61.0144



89.9973, 94.2818, 93.6906



70.6909, 62.9907, 73.5122



19.1734, 20.0775, 19.7870



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.



76.1372, 78.5260, 61.0144



76.9001, 78.8044, 56.2856



81.4149, 91.6198, 63.2636



18.0903, 18.9165, 18.1602



26.5566, 22.0698, 2.8602



2.5641, 2.2530, 0.2997



# Inverse Universe

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



63.5489, 67.2185, 100.0678



61.5505, 65.0191, 103.9136



59.0882, 56.4503, 98.2245



16.8729, 17.8226, 21.9361



11.8818, 9.1192, 49.1075

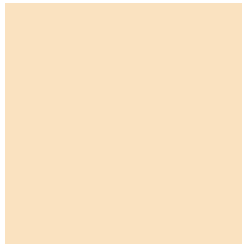


1.2022, 1.0480, 4.5821



# Previews

## White Background



This preview shows how the XYZ color 76.1351, 78.5225, 61.0128 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 76.1351, 78.5225, 61.0128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

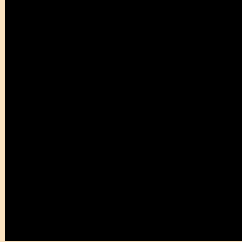
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.1351, 78.5225, 61.0128**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.1351, 78.5225, 61.0128.



This preview shows how white text looks on a background with the XYZ color 76.1351, 78.5225,

61.0128.

# 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

76.1351, 78.5225, 61.0128

### Protanopia

74.2629, 78.7661, 61.7414

### Deuteranopia

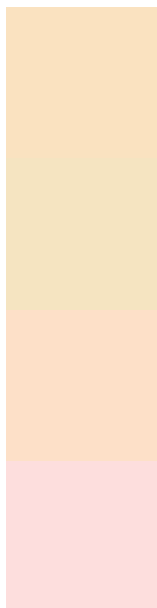
78.5268, 78.3950, 68.1197



## Tritanopia

82.1193, 78.5608, 90.9564

# Trichromacy



## Original Color

76.1351, 78.5225, 61.0128

## Protanomaly

75.0252, 78.7495, 61.6980

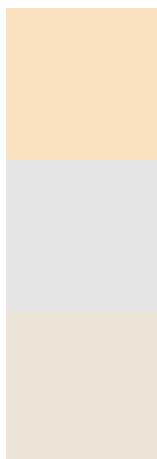
## Deuteranomaly

77.5890, 78.3641, 65.6800

## Tritanomaly

79.6804, 78.3457, 79.3292

# Monochromacy



## Original Color

76.1351, 78.5225, 61.0128

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.0631, 78.4492, 76.1517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.1351, 78.5225, 61.0128 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(250, 226, 192) looks like.

```
.text, #text, p{  
    color:rgb(250, 226, 192)  
}
```

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(250, 226, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 226, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 76.1351, 78.5225, 61.0128 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(250, 226, 192) }
```



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

```
.border{ border-color:rgb(250, 226, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 226, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 226, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 226, 192);  
box-shadow:4px 4px 4px 4px rgb(250, 226,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.1351, 78.5225, 61.0128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 226, 192) }
```

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

```
.background{ background-color: rgb(250,  
226, 192) }
```

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