

# Converting Colors

XYZ(77.8667, 79.1718, 72.2399)

Have a look what the booklet for  
XYZ(77.8667, 79.1718, 72.2399)  
contains.

<b>XYZ(77.8961, 79.1856, 72.1515)</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(77.8961, 79.1856,  
72.1515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9E2D2
RGB	249, 226, 210
RGB Percent	98%, 89%, 82%
CMY	0.0235, 0.1137, 0.1765
CMYK	0.00, 0.09, 0.16, 0.02
HSL	25°, 76%, 90%
HSV	25°, 16%, 98%
XYZ	77.8961, 79.1856, 72.1515
YIQ	231.0530, 18.8440, -0.1000

# Conversions

## Conversions Part 2

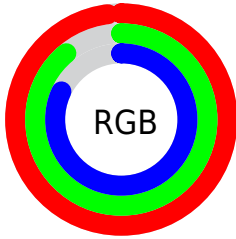
Format	Color
R <sub>Y</sub> B	249, 237, 210
Decimal	16376530
CIE Lab	91.32, 5.33, 10.67
CIE LCh	91, 11.925, 63.442
Yxy	79.1856, 0.3398, 0.3454
Android (android.graphics.Color)	4294566610 (0xFFF9E2D2)
YUV	231.0530, -10.3791, 15.7395
Hunter-Lab	88.9863, 0.5279, 14.2171

# Details

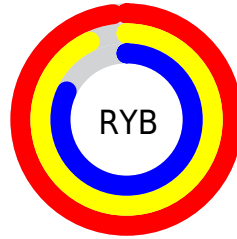
The XYZ color **77.8961, 79.1856, 72.1515** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.8156, 78.8171, 100.9985**, and the grayscale version is **76.0619, 80.0230, 87.1451**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3019, 42.7326, 37.4712** is the 20% darker color. If you saturate the color by 10%, you get **71.2098, 70.3969, 55.7900**, and if you desaturate by 10%, it is **85.4113, 88.8582, 91.1725**.

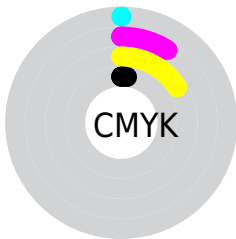
# Distribution



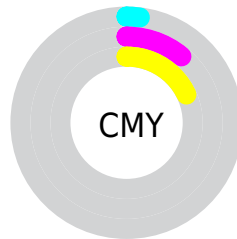
- Red (98%)
- Green (89%)
- Blue (82%)



- Red (98%)
- Yellow (93%)
- Blue (82%)



- Cyan (0%)
- Magenta (9%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8961, 79.1856, 72.1515 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 77.8961, 79.1856, 72.1515 by changing the saturation by 10% instead.




 77.8961, 79.1856,  
72.1515

 77.8961, 79.1856,  
72.1515


476.6591,  
492.1840, 487.0605

 58.2911, 59.0484,  
52.7949


129.3698,  
132.2201, 123.9816

 42.2869, 42.6521,  
37.2524


161.9692,  
165.8862, 157.2922

 29.5181, 29.6122,  
25.1057


199.6308,  
204.8308, 196.0911

 19.6194, 19.5445,  
15.9361

242.7200,  
249.4382, 240.7970

 12.2253, 12.0643,  
9.3251

291.6020,  
300.0928, 291.8283

 6.9706, 6.7875,  
4.8541

346.6423,

 3.4899, 3.3296,

357.1791, 349.6036

2.1047

408.2062,  
421.0813, 414.5415

■ 1.4178, 1.3061,  
0.6186

■ 0.2689, 0.1459,  
0.0000

■ 77.8961, 79.1856,  
72.1515

■ 77.8961, 79.1856,  
72.1515

■ 71.2098, 70.3969,  
55.7900

■ 85.4113, 88.8582,  
91.1725

■ 65.3153, 62.4556,  
41.9628

■ 92.8772, 98.8799,  
108.7983

■ 60.1817, 55.3378,  
30.5424

■ 55.7736, 49.0145,  
21.3878

■ 52.0525, 43.4550,  
14.3433

■ 48.9753, 38.6256,  
9.2330

■ 46.4932, 34.4898,  
5.8520

■ 44.5476, 31.0059,  
3.9474

■ 43.8368, 29.6791,  
3.4182

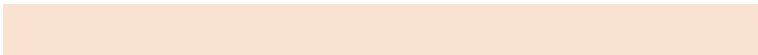
# Harmonies

## Analogous

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



80.2258, 79.1856, 77.3552



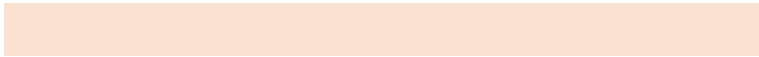
77.8961, 79.1856, 72.1515



74.9146, 79.1856, 70.6271

# Triad

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



77.8961, 79.1856, 72.1515



69.6015, 79.1856, 87.2245



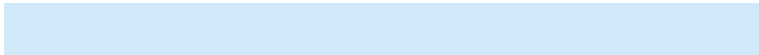
78.5171, 79.1856, 100.8915

# Complementary

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



77.8961, 79.1856, 72.1515



72.8156, 78.8171, 100.9985

# 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.



75.6136, 79.1856, 103.9532



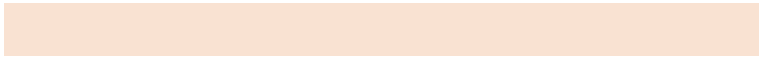
77.8961, 79.1856, 72.1515



70.5102, 79.1856, 95.7367

# Square

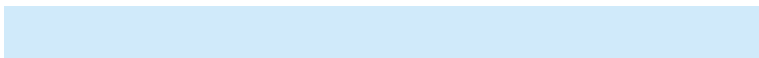
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8961, 79.1856, 72.1515



70.1761, 79.1856, 78.9791



72.6910, 79.1856, 102.0070



80.5911, 79.1856, 93.8897



# Rectangle

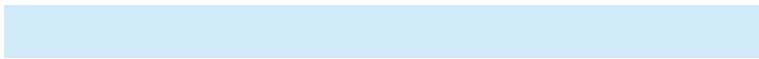
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8961, 79.1856, 72.1515



72.9716, 79.1856, 71.8119



72.6910, 79.1856, 102.0070



77.6030, 79.1856, 102.4361

# Sweetspot

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



77.8983, 79.1891, 72.1532



90.7131, 94.5028, 97.6612



76.8795, 72.1400, 87.2640



19.2898, 20.0662, 20.5781



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

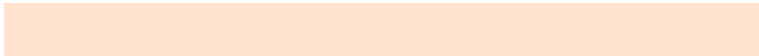


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8983, 79.1891, 72.1532



79.7618, 80.3715, 70.0528



83.3831, 90.1589, 73.9815



17.8296, 18.3950, 18.0733



23.5966, 16.1499, 1.8736

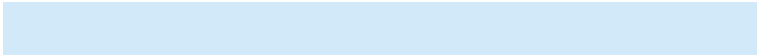


2.2869, 1.6987, 0.2073

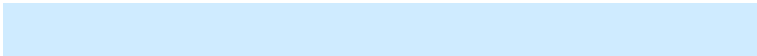


# Inverse Universe

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



72.8156, 78.8171, 100.9985



73.3984, 79.9044, 106.1623



67.6994, 68.5848, 99.2931



17.1337, 18.3443, 22.0231



14.8657, 15.0870, 50.1021

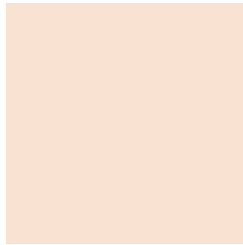


1.4811, 1.6060, 4.6751



# Previews

## White Background



This preview shows how the XYZ color 77.8961, 79.1856, 72.1515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

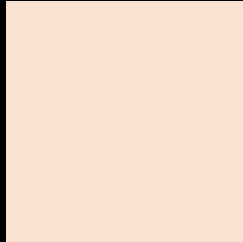
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.8961, 79.1856, 72.1515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

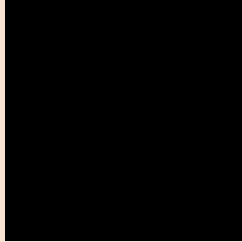
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.8961, 79.1856, 72.1515**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.8961, 79.1856, 72.1515.



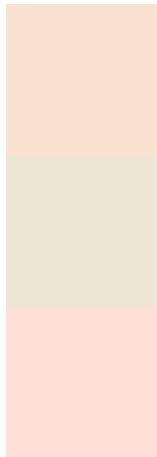
This preview shows how white text looks on a background with the XYZ color 77.8961, 79.1856,

72.1515.

# 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

77.8961, 79.1856, 72.1515

### Protanopia

75.4996, 79.1428, 73.5842

### Deuteranopia

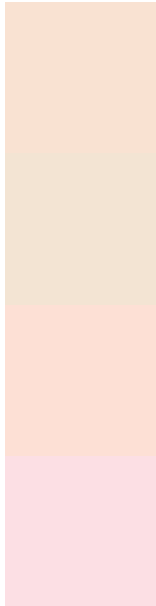
79.7653, 78.8904, 74.6416



## Tritanopia

82.2093, 79.3572, 92.6459

# Trichromacy



## Original Color

77.8961, 79.1856, 72.1515

## Protanomaly

76.4634, 79.2446, 72.8937

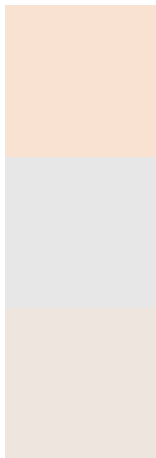
## Deuteranomaly

79.1739, 78.9981, 74.0260

## Tritanomaly

80.5362, 79.0722, 84.4165

# Monochromacy



## Original Color

77.8961, 79.1856, 72.1515

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.5985, 79.5435, 81.1283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.8961, 79.1856, 72.1515 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(249, 226, 210) looks like.

```
.text, #text, p{  
    color:rgb(249, 226, 210)  
}
```

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(249, 226, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 226, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 77.8961, 79.1856, 72.1515 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(249, 226, 210) }
```



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

```
.border{ border-color:rgb(249, 226, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 226, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 226, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 226, 210);  
box-shadow:4px 4px 4px 4px rgb(249, 226,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.8961, 79.1856, 72.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 226, 210) }
```

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

```
.background{ background-color: rgb(249,  
226, 210) }
```

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