

# Converting Colors

XYZ(68.0589, 77.7212, 73.5037)

Have a look what the booklet for  
XYZ(68.0589, 77.7212, 73.5037)  
contains.

<b>XYZ(68.1703, 77.8718, 73.7251)</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(68.1703, 77.8718,  
73.7251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2EBD4
RGB	210, 235, 212
RGB Percent	82%, 92%, 83%
CMY	0.1765, 0.0784, 0.1686
CMYK	0.11, 0.00, 0.10, 0.08
HSL	125°, 38%, 87%
HSV	125°, 11%, 92%
XYZ	68.1703, 77.8718, 73.7251
YIQ	224.9030, -7.5170, -12.4530

# Conversions

## Conversions Part 2

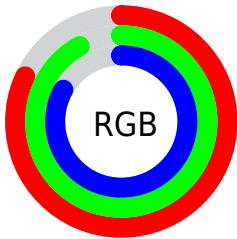
Format	Color
R <sub>Y</sub> B	210, 233, 235
Decimal	13822932
CIE Lab	90.72, -12.44, 8.38
CIE LCh	91, 15.000, 146.040
Yxy	77.8718, 0.3102, 0.3543
Android (android.graphics.Color)	4292013012 (0xFFD2EBD4)
YUV	224.9030, -6.3612, -13.0699
Hunter-Lab	88.2450, -16.5354, 12.2371

# Details

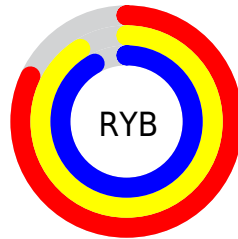
The XYZ color **68.1703, 77.8718, 73.7251** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0183, 69.6403, 86.7406**, and the grayscale version is **71.5483, 75.2744, 81.9738**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7235, 41.6431, 38.0534** is the 20% darker color. If you saturate the color by 10%, you get **59.4174, 73.6561, 60.0194**, and if you desaturate by 10%, it is **78.2752, 82.7468, 89.4037**.

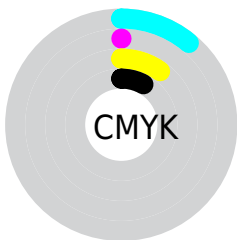
# Distribution



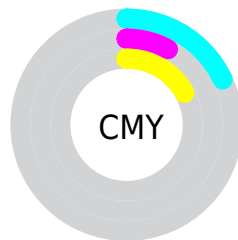
- Red (82%)
- Green (92%)
- Blue (83%)



- Red (82%)
- Yellow (91%)
- Blue (92%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)



- Cyan (18%)
- Magenta (8%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1703, 77.8718, 73.7251 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 68.1703, 77.8718, 73.7251 by changing the saturation by 10% instead.



68.1703, 77.8718,  
73.7251

68.1703, 77.8718,  
73.7251

443.4664,  
487.7313, 492.6621

50.3105, 57.9687,  
54.0736

115.6363,  
130.3694, 126.2365

35.8790, 41.7835,  
38.2670

145.9732,  
163.7326, 159.9335

24.5104, 28.9318,  
25.8865

181.1998,  
202.3514, 199.1494

15.8395, 19.0292,  
16.5138

221.6815,  
246.6100, 244.3029

9.5007, 11.6914,  
9.7301

267.7837,  
296.8929, 295.8123

5.1289, 6.5339,  
5.1172

319.8717,

2.3586, 3.1724,

353.5845, 354.0963

2.2562

378.3108,  
417.0692, 419.5733

■ 0.8244, 1.2224,  
0.7065

■ 0.0000, 0.0799,  
0.0000

■ 68.1703, 77.8718,  
73.7251

■ 68.1703, 77.8718,  
73.7251

■ 59.4174, 73.6561,  
60.0194

■ 78.2752, 82.7468,  
89.4037

■ 51.9532, 70.0619,  
48.2037

■ 88.9999, 87.8998,  
106.8833

■ 45.7185, 67.0628,  
38.1965

■ 40.6472, 64.6267,  
29.9086

■ 36.6671, 62.7183,  
23.2433

■ 33.6976, 61.2983,  
18.0942

■ 31.6472, 60.3223,  
14.3423

■ 30.4075, 59.7370,  
11.8506

■ 29.8257, 59.4661,  
10.5134

# Harmonies

## Analogous

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



70.8815, 77.8718, 67.4892



68.1703, 77.8718, 73.7251



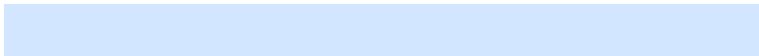
67.0240, 77.8718, 83.3652

# Triad

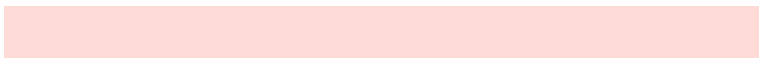
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1703, 77.8718, 73.7251



73.5159, 77.8718, 107.2039



80.7128, 77.8718, 76.0079

# Complementary

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



68.1703, 77.8718, 73.7251



72.0183, 69.6403, 86.7406

# 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.



81.4755, 77.8718, 86.2293



68.1703, 77.8718, 73.7251



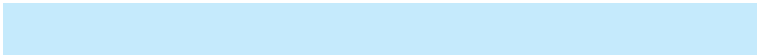
77.2391, 77.8718, 104.8184

# Square

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



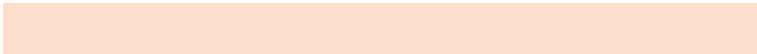
68.1703, 77.8718, 73.7251



70.0434, 77.8718, 103.1775



80.1842, 77.8718, 96.9082



78.1336, 77.8718, 68.7267



# Rectangle

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



68.1703, 77.8718, 73.7251



67.2720, 77.8718, 90.6488



80.1842, 77.8718, 96.9082



81.1938, 77.8718, 79.1876

# Sweetspot

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



68.1724, 77.8751, 73.7268



91.1787, 98.1328, 102.9120



75.0578, 81.4536, 72.7397



19.3001, 20.9003, 21.6929



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

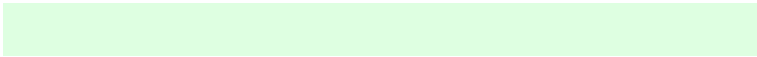


# Same Dimension

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



68.1724, 77.8751, 73.7268



79.3610, 92.4350, 84.5376



69.7662, 78.5126, 82.1195



14.9172, 16.8817, 16.2470



16.6166, 33.1011, 5.9463



1.3218, 2.6060, 0.5564



# Inverse Universe

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



72.0183, 69.6403, 86.7406



84.9473, 80.4733, 103.4404



70.3390, 68.9686, 77.8974



15.6598, 15.2918, 18.7597



26.0027, 12.6038, 37.4110

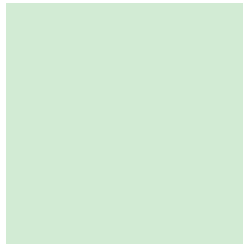


2.0573, 0.9959, 3.0190



# Previews

## White Background



This preview shows how the XYZ color 68.1703, 77.8718, 73.7251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

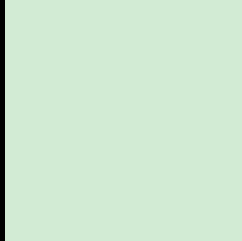
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.1703, 77.8718, 73.7251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

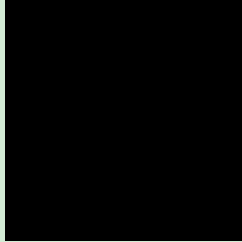
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

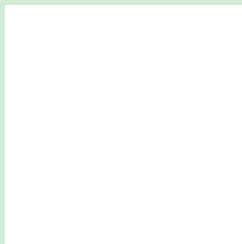
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.1703, 77.8718, 73.7251

## Background



This preview shows how black text looks on a background with the XYZ color 68.1703, 77.8718, 73.7251.



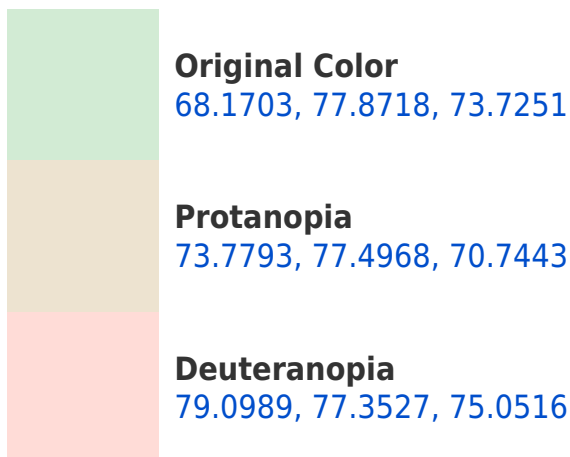
This preview shows how white text looks on a background with the XYZ color 68.1703, 77.8718,

73.7251.

# 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

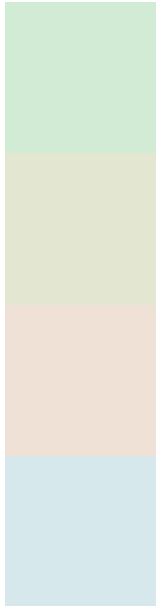




## Tritanopia

73.5590, 77.9699, 99.9797

# Trichromacy



## Original Color

68.1703, 77.8718, 73.7251

## Protanomaly

71.4840, 77.5280, 71.5184

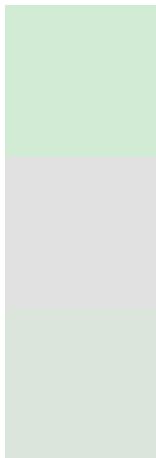
## Deuteranomaly

74.6594, 77.0562, 74.5567

## Tritanomaly

71.5836, 78.0075, 89.8814

# Monochromacy



## Original Color

68.1703, 77.8718, 73.7251

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.4528, 76.4216, 78.7477

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.1703, 77.8718, 73.7251 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(210, 235, 212) looks like.

```
.text, #text, p{  
    color:rgb(210, 235, 212)  
}
```

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(210, 235, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 235, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 68.1703, 77.8718, 73.7251 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(210, 235, 212) }
```



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

```
.border{ border-color:rgb(210, 235, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 235, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 235, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 235, 212);  
box-shadow:4px 4px 4px 4px rgb(210, 235,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.1703, 77.8718, 73.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 235, 212) }
```

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

```
.background{ background-color: rgb(210,  
235, 212) }
```

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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