

# Converting Colors

XYZ(70.6333, 78.2404, 91.2255)

Have a look what the booklet for  
XYZ(70.6333, 78.2404, 91.2255)  
contains.

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# Color

**XYZ(70.7213, 78.3700,  
91.5203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0EAED
RGB	208, 234, 237
RGB Percent	82%, 92%, 93%
CMY	0.1843, 0.0823, 0.0706
CMYK	0.12, 0.01, 0.00, 0.07
HSL	186°, 45%, 87%
HSV	186°, 12%, 93%
XYZ	70.7213, 78.3700, 91.5203
YIQ	226.5680, -16.4590, -4.5790

# Conversions

## Conversions Part 2

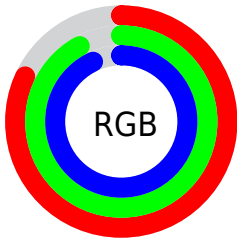
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 222, 237
Decimal	13691629
CIE Lab	90.95, -7.91, -4.35
CIE LCh	91, 9.026, 208.844
Yxy	78.3700, 0.2939, 0.3257
Android (android.graphics.Color)	4291881709 (0xFFD0EAED)
YUV	226.5680, 5.1430, -16.2841
Hunter-Lab	88.5268, -12.3239, 0.6739

# Details

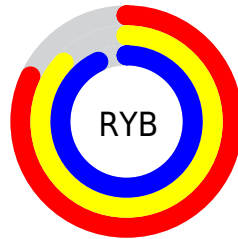
The XYZ color **70.7213, 78.3700, 91.5203** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6049, 69.1467, 69.3539**, and the grayscale version is **72.6743, 76.4590, 83.2639**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3978, 41.9493, 49.8420** is the 20% darker color. If you saturate the color by 10%, you get **63.8577, 73.8059, 91.0023**, and if you desaturate by 10%, it is **78.5948, 83.4732, 92.0916**.

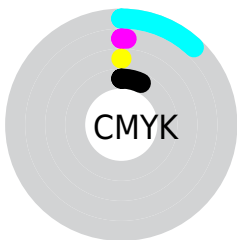
# Distribution



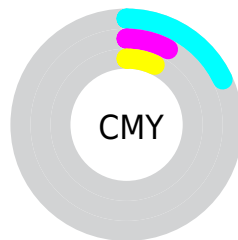
- Red (82%)
- Green (92%)
- Blue (93%)



- Red (82%)
- Yellow (87%)
- Blue (93%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (8%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7213, 78.3700, 91.5203 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 70.7213, 78.3700, 91.5203 by changing the saturation by 10% instead.



70.7213, 78.3700,  
91.5203

70.7213, 78.3700,  
91.5203

452.3056,  
489.4225, 553.6612

52.3965, 58.3780,  
68.6615

119.2575,  
131.0716, 151.4023

37.5468, 42.1126,  
49.9660

150.1996,  
164.5499, 189.2625

25.8067, 29.1895,  
35.0154

186.0781,  
203.2925, 232.9603

16.8110, 19.2242,  
23.3911

227.2585,  
247.6837, 282.9141

10.1943, 11.8324,  
14.6745

274.1061,  
298.1079, 339.5426

5.5912, 6.6296,  
8.4472

326.9863,

2.6364, 3.2316,

354.9495, 403.2643

4.2906

386.2643,  
418.5929, 474.4976

■ 0.9646, 1.2538,  
1.7861

■ 0.0000, 0.1050,  
0.4187

■ 70.7213, 78.3700,  
91.5203

■ 70.7213, 78.3700,  
91.5203

■ 63.8577, 73.8059,  
91.0023

■ 78.5948, 83.4732,  
92.0916

■ 57.9531, 69.7483,  
90.5303

■ 87.3644, 89.0507,  
92.7059

■ 52.9624, 66.1761,  
90.1039

■ 88.0859, 90.4936,  
92.9464

■ 48.8343, 63.0626,  
89.7205

■ 88.8171, 91.9561,  
93.1902

45.5121, 60.3787,  
89.3775

89.5581, 93.4381,  
93.4372

42.9326, 58.0917,  
89.0721

90.3089, 94.9397,  
93.6874

41.0228, 56.1639,  
88.8006

91.0696, 96.4611,  
93.9410

39.6948, 54.5499,  
88.5591

91.8402, 98.0022,  
94.1979

38.9581, 53.4582,  
88.3872

92.2863, 98.8945,  
94.3466

# Harmonies

## Analogous

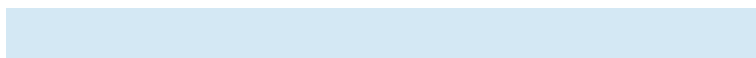
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1991, 78.3700, 85.0790



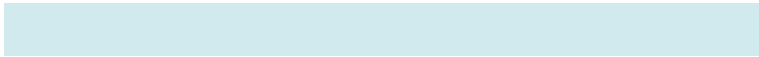
70.7213, 78.3700, 91.5203



72.2476, 78.3700, 96.5098

# Triad

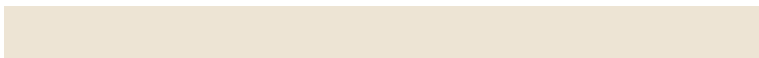
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7213, 78.3700, 91.5203



78.2955, 78.3700, 91.9799



74.5767, 78.3700, 73.4071

# Complementary

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



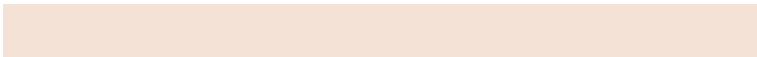
70.7213, 78.3700, 91.5203



69.6049, 69.1467, 69.3539

# Split Complementary

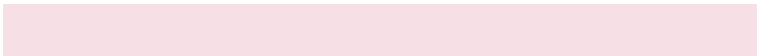
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7749, 78.3700, 75.0517



70.7213, 78.3700, 91.5203



78.9488, 78.3700, 85.5847

# Square

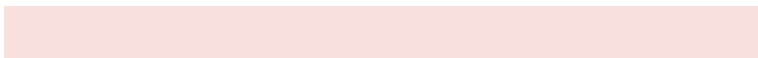
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7213, 78.3700, 91.5203



76.6190, 78.3700, 96.7846



78.3868, 78.3700, 79.4284



72.3975, 78.3700, 74.8198

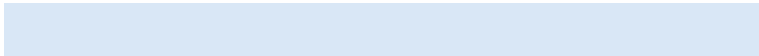


# Rectangle

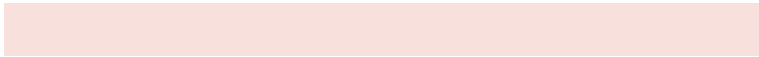
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



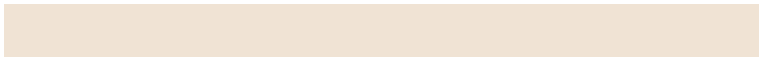
70.7213, 78.3700, 91.5203



73.6450, 78.3700, 98.2248



78.3868, 78.3700, 79.4284



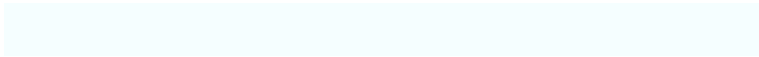
75.3381, 78.3700, 73.6191

# Sweetspot

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



70.7236, 78.3733, 91.5220



91.0611, 97.4459, 108.6172



68.0432, 78.6777, 73.1636



19.3350, 20.7571, 23.2374



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

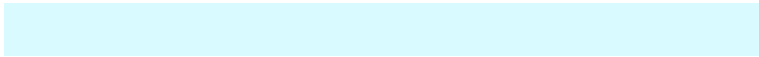


# Same Dimension

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



70.7236, 78.3733, 91.5220



81.1031, 90.9576, 107.8897



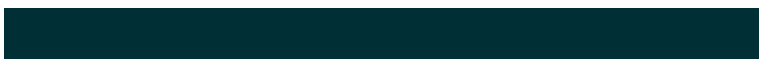
66.7881, 70.5023, 90.2102



15.3770, 16.8404, 19.3623



21.3263, 29.2997, 48.2744



1.7130, 2.3774, 3.8035



# Inverse Universe

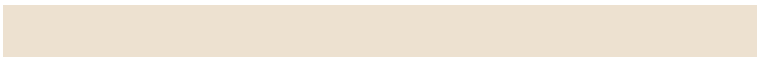
The Inverse Universe completely reimagines the original color for something new.



72.3340, 69.0583, 87.3630



83.4086, 77.7250, 101.9125



73.3450, 76.6269, 70.6006



15.6438, 15.2854, 18.6757



25.6199, 12.4506, 35.3951

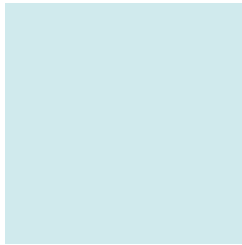


2.0311, 0.9854, 2.8813



# Previews

## White Background



This preview shows how the XYZ color 70.7213, 78.3700, 91.5203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

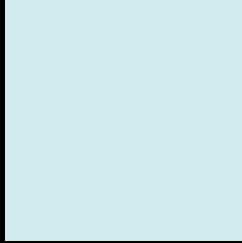
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7213, 78.3700, 91.5203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

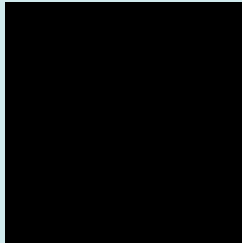
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

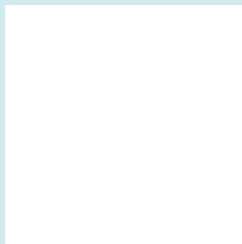
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.7213, 78.3700, 91.5203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7213, 78.3700, 91.5203.



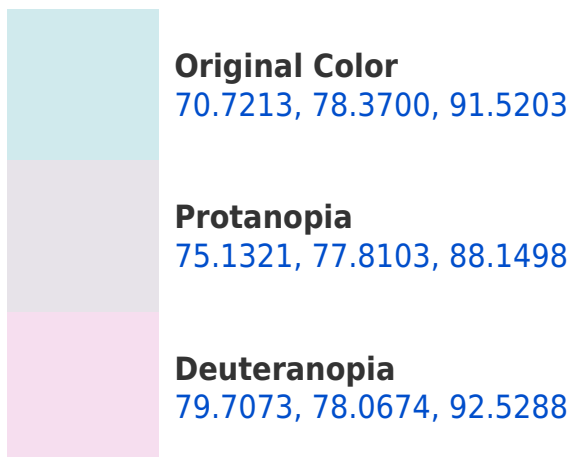
This preview shows how white text looks on a background with the XYZ color 70.7213, 78.3700,

91.5203.

# 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

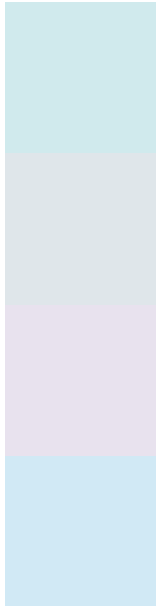




## **Tritanopia**

72.6903, 78.3170, 101.7280

# Trichromacy



**Original Color**

70.7213, 78.3700, 91.5203

**Protanomaly**

73.5795, 78.2221, 89.0622

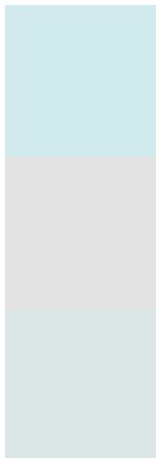
**Deuteranomaly**

75.9077, 77.7216, 91.8899

**Tritanomaly**

71.9148, 78.4257, 97.7336

# Monochromacy



**Original Color**

70.7213, 78.3700, 91.5203

**Achromatopsia**

73.0128, 76.8151, 83.6517

**Achromatomaly**

72.2358, 77.5788, 86.7683

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7213, 78.3700, 91.5203 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(208, 234, 237)` looks like.

```
.text, #text, p{  
    color:rgb(208, 234, 237)  
}
```

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(208, 234, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 234, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7213, 78.3700, 91.5203 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(208, 234, 237) }
```



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

```
.border{ border-color:rgb(208, 234, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 234, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 234, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 234, 237);  
box-shadow:4px 4px 4px 4px rgb(208, 234,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7213, 78.3700, 91.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 234, 237) }
```

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

```
.background{ background-color: rgb(208,  
234, 237) }
```

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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