

Converting Colors

XYZ(70.8941, 77.6646, 77.1993)

Have a look what the booklet for
XYZ(70.8941, 77.6646, 77.1993)
contains.

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Color

**XYZ(70.6155, 77.3772,
76.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE7D9
RGB	220, 231, 217
RGB Percent	86%, 91%, 85%
CMY	0.1372, 0.0941, 0.1490
CMYK	0.05, 0.00, 0.06, 0.09
HSL	107°, 23%, 88%
HSV	107°, 6%, 91%
XYZ	70.6155, 77.3772, 76.8591
YIQ	226.1150, -2.0620, -6.6860

Conversions

Conversions Part 2

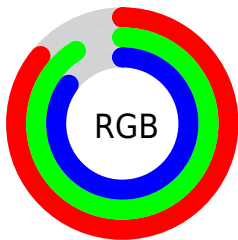
Format	Color
RYB	217, 231, 228
Decimal	14477273
CIELab	90.49, -6.18, 5.53
CIELCh	90, 8.294, 138.139
Yxy	77.3772, 0.3141, 0.3441
Android (android.graphics.Color)	4292667353 (0xFFDCE7D9)
YUV	226.1150, -4.4937, -5.3629
Hunter-Lab	87.9643, -10.6423, 9.7702

Details

The XYZ color **70.6155, 77.3772, 76.8591** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2345, 71.8913, 85.7272**, and the grayscale version is **72.4063, 76.1770, 82.9568**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3686, 41.2679, 40.1784** is the 20% darker color. If you saturate the color by 10%, you get **62.6203, 73.5810, 61.8829**, and if you desaturate by 10%, it is **79.6323, 81.6559, 94.0818**.

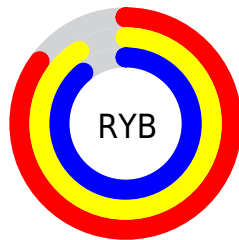
Distribution



Red (86%)

Green (91%)

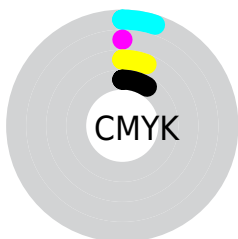
Blue (85%)



Red (85%)

Yellow (91%)

Blue (89%)

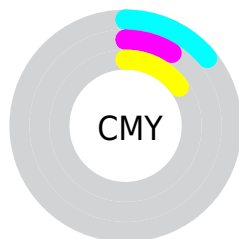


Cyan (5%)

Magenta (0%)

Yellow (6%)

Black (9%)



Cyan (14%)

Magenta (9%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6155, 77.3772, 76.8591 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 70.6155, 77.3772, 76.8591 by changing the saturation by 10% instead.

70.6155, 77.3772,
76.8591

70.6155, 77.3772,
76.8591

451.9410,
486.0491, 503.7084

52.3099, 57.5625,
56.6264

119.1076,
129.6718, 130.7118

37.4774, 41.4570,
40.2980

150.0247,
162.9205, 165.1688

25.7527, 28.6764,
27.4554

185.8765,
201.4160, 205.2043

16.7704, 18.8361,
17.6801

227.0281,
245.5427, 251.2369

10.1652, 11.5519,
10.5535

273.8450,
295.6849, 303.6850

5.5718, 6.4394,
5.6571

326.6926,

2.6246, 3.1140,

352.2272, 362.9673

2.5723

385.9361,
415.5538, 429.5022

■ 0.9585, 1.1916,
0.8781

■ 0.0000, 0.0548,
0.0000

■ 70.6155, 77.3772,
76.8591

■ 70.6155, 77.3772,
76.8591

■ 62.6203, 73.5810,
61.8829

■ 79.6323, 81.6559,
94.0818

■ 55.6038, 70.2405,
49.0557

■ 87.8674, 85.6348,
106.5058

■ 49.5297, 67.3414,
38.2804

■ 44.3568, 64.8647,
29.4505

■ 40.0408, 62.7902,
22.4499

■ 36.5336, 61.0959,
17.1500

■ 33.7819, 59.7574,
13.4058

■ 31.7256, 58.7474,
11.0479

■ 30.2937, 58.0338,
9.8662

Harmonies

Analogous

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



72.3106, 77.3772, 73.8601



70.6155, 77.3772, 76.8591



69.7119, 77.3772, 81.9257

Triad

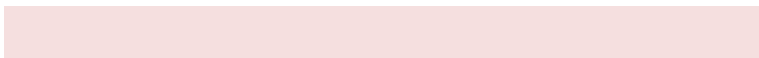
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6155, 77.3772, 76.8591



72.7284, 77.3772, 95.9250



77.3985, 77.3772, 80.7460

Complementary

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



70.6155, 77.3772, 76.8591



71.2345, 71.8913, 85.7272

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.



77.5155, 77.3772, 86.6191



70.6155, 77.3772, 76.8591



74.7928, 77.3772, 95.5726

Square

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



70.6155, 77.3772, 76.8591



70.9164, 77.3772, 93.0428



76.5538, 77.3772, 92.1015



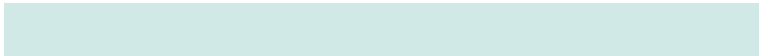
76.2372, 77.3772, 76.0305

Rectangle

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



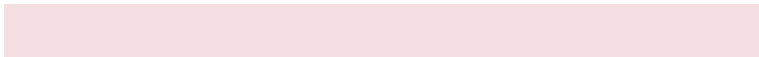
70.6155, 77.3772, 76.8591



69.6685, 77.3772, 85.8773



76.5538, 77.3772, 92.1015



77.5620, 77.3772, 82.6446

Sweetspot

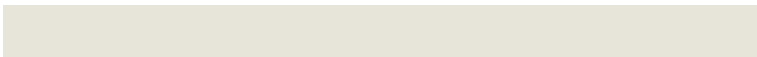
The Sweet Spot groups the original color and five complimentary colors.



70.6177, 77.3805, 76.8608



92.7806, 98.9237, 104.5644



73.2168, 77.4706, 76.7412



19.8827, 21.1850, 22.4265



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.



70.6177, 77.3805, 76.8608



87.3346, 96.3393, 94.2280



70.2403, 77.1256, 79.5699



14.8096, 16.3954, 15.9028



16.8282, 32.4567, 5.3778



1.3208, 2.4383, 0.4010

Inverse Universe

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



71.2345, 71.8913, 85.7272



88.2248, 88.4173, 107.0240



71.6403, 72.1645, 82.8536



14.9722, 14.9481, 18.2405



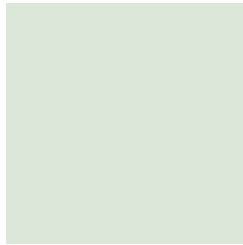
18.9458, 8.8328, 43.0895



1.4755, 0.6916, 3.1877

Previews

White Background



This preview shows how the XYZ color 70.6155, 77.3772, 76.8591 looks on a white background.

Color Contrast Check

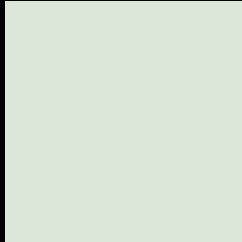
Large Text (above 18pt) WCAG AA × Fail

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 70.6155, 77.3772, 76.8591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

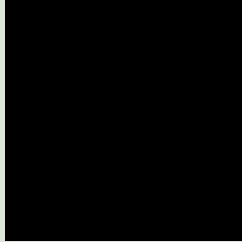
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

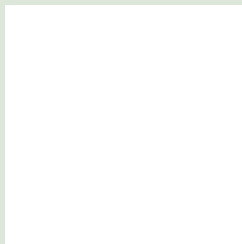
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6155, 77.3772, 76.8591

Background



This preview shows how black text looks on a background with the XYZ color 70.6155, 77.3772, 76.8591.

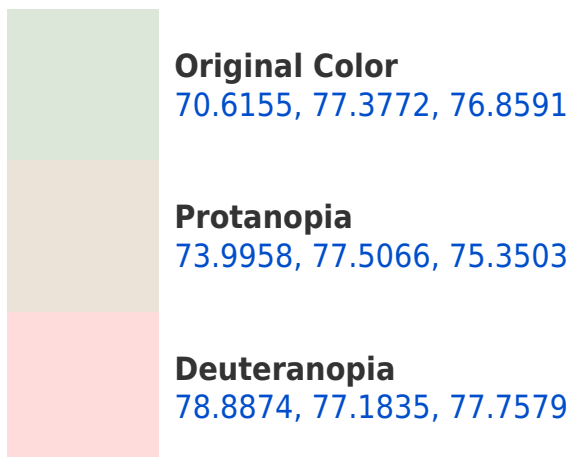


This preview shows how white text looks on a background with the XYZ color 70.6155, 77.3772,

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

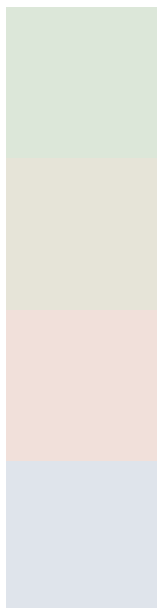




Tritanopia

74.6910, 77.3780, 97.3850

Trichromacy



Original Color

70.6155, 77.3772, 76.8591

Protanomaly

72.7712, 77.2677, 76.0444

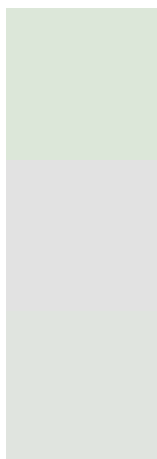
Deuteranomaly

75.5862, 77.0740, 77.2226

Tritanomaly

73.1702, 77.1729, 89.6366

Monochromacy



Original Color

70.6155, 77.3772, 76.8591

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.8032, 76.6618, 80.8248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6155, 77.3772, 76.8591 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(220, 231, 217) looks like.

```
.text, #text, p{  
    color:rgb(220, 231, 217)  
}
```

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(220, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 231, 217) }
```

Border

The CSS property to change the border of an element to XYZ 70.6155, 77.3772, 76.8591 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(220, 231, 217) }
```


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

```
.border{ border-color:rgb(220, 231, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 231, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(220, 231,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6155, 77.3772, 76.8591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 231, 217) }
```

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

```
.background{ background-color: rgb(220,  
231, 217) }
```

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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