

Converting Colors

XYZ(70.3834, 76.0323, 87.3111)

Have a look what the booklet for
XYZ(70.3834, 76.0323, 87.3111)
contains.

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Color

**XYZ(70.6091, 76.3119,
87.3521)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E5E8
RGB	215, 229, 232
RGB Percent	84%, 90%, 91%
CMY	0.1569, 0.1019, 0.0902
CMYK	0.07, 0.01, 0.00, 0.09
HSL	191°, 27%, 88%
HSV	191°, 7%, 91%
XYZ	70.6091, 76.3119, 87.3521
YIQ	225.1560, -9.3070, -2.0350

Conversions

Conversions Part 2

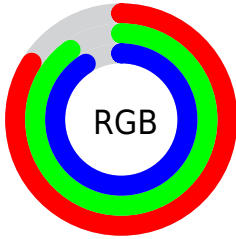
Format	Color
R _{YB}	215, 223, 232
Decimal	14149096
CIE Lab	90.00, -4.07, -3.07
CIE LCh	90, 5.103, 217.020
Yxy	76.3119, 0.3014, 0.3257
Android (android.graphics.Color)	4292339176 (0xFFD7E5E8)
YUV	225.1560, 3.3741, -8.9068
Hunter-Lab	87.3567, -8.5953, 1.8628

Details

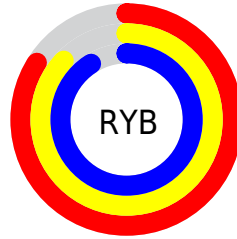
The XYZ color **70.6091, 76.3119, 87.3521** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6161, 72.2042, 74.5061**, and the grayscale version is **71.6633, 75.3954, 82.1056**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4697, 40.8803, 46.9901** is the 20% darker color. If you saturate the color by 10%, you get **63.1562, 70.8119, 86.6845**, and if you desaturate by 10%, it is **79.0591, 82.3697, 88.0772**.

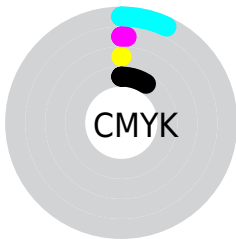
Distribution



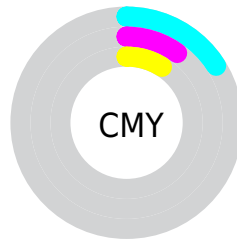
- Red (84%)
- Green (90%)
- Blue (91%)



- Red (84%)
- Yellow (87%)
- Blue (91%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6091, 76.3119, 87.3521 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 70.6091, 76.3119, 87.3521 by changing the saturation by 10% instead.

■ 70.6091, 76.3119,
87.3521

■ 70.6091, 76.3119,
87.3521

451.9189,
482.4147, 539.7254

■ 52.3046, 56.6883,
65.2253

119.0985,
128.1677, 145.5580

■ 37.4732, 40.7550,
47.1913

150.0142,
161.1687, 182.4742

■ 25.7494, 28.1277,
32.8315

185.8643,
199.3976, 225.1573

■ 16.7680, 18.4220,
21.7273

227.0142,
243.2388, 274.0259

■ 10.1635, 11.2534,
13.4603

273.8292,
293.0767, 329.4985

■ 5.5706, 6.2375,
7.6118

326.6748,

■ 2.6239, 2.9900,

349.2958, 391.9935

3.7634

385.9162,
412.2803, 461.9297

■ 0.9582, 1.1265,
1.4965

■ 0.0000, 0.0004,
0.2153

■ 70.6091, 76.3119,
87.3521

■ 70.6091, 76.3119,
87.3521

■ 63.1562, 70.8119,
86.6845

■ 79.0591, 82.3697,
88.0772

■ 56.6532, 65.8388,
86.0673

■ 86.1431, 87.7610,
88.7445

■ 51.0589, 61.3731,
85.5002

■ 87.3418, 90.1585,
89.1440

■ 46.3262, 57.3904,
84.9809

■ 88.5678, 92.6104,
89.5527

■ 42.4039, 53.8639,
84.5070

■ 89.8210, 95.1169,
89.9704

■ 39.2351, 50.7641,
84.0757

■ 91.1018, 97.6786,
90.3974

■ 36.7556, 48.0576,
83.6839

■ 91.5657, 98.6063,
90.5520

■ 34.8896, 45.7049,
83.3282

■ 33.5374, 43.6545,
83.0037

Harmonies

Analogous

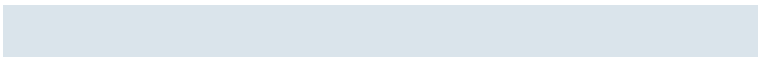
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1468, 76.3119, 83.9443



70.6091, 76.3119, 87.3521



71.5875, 76.3119, 89.6644

Triad

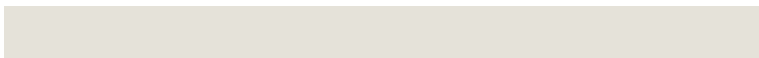
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6091, 76.3119, 87.3521



74.7926, 76.3119, 85.8376



72.2355, 76.3119, 76.3726

Complementary

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



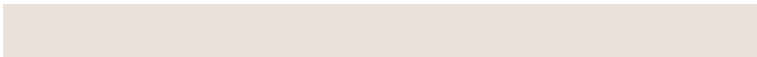
70.6091, 76.3119, 87.3521



70.6161, 72.2042, 74.5061

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.



73.4851, 76.3119, 76.8464



70.6091, 76.3119, 87.3521



74.9710, 76.3119, 82.2429

Square

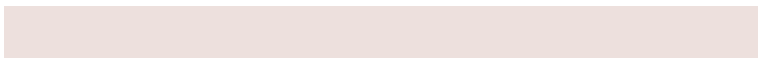
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6091, 76.3119, 87.3521



74.0053, 76.3119, 88.7724



74.4898, 76.3119, 78.9702



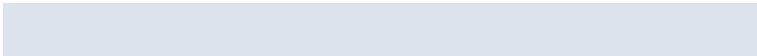
71.0788, 76.3119, 77.6567

Rectangle

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



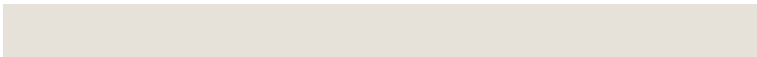
70.6091, 76.3119, 87.3521



72.4059, 76.3119, 90.2368



74.4898, 76.3119, 78.9702



72.6586, 76.3119, 76.3322

Sweetspot

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



70.6113, 76.3151, 87.3538



92.9124, 98.4733, 108.7180



69.5152, 77.2148, 77.4566



19.9095, 21.0934, 23.2720



0.0000, 0.0000, 0.0000



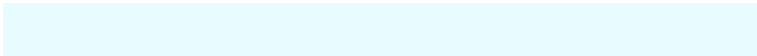
20.3446, 21.4041, 23.3091

Same Dimension

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



70.6113, 76.3151, 87.3538



85.8280, 93.3504, 108.1025



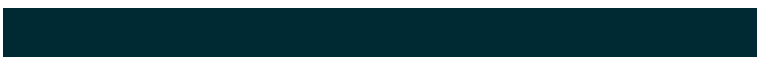
68.3595, 71.8115, 86.6032



14.5800, 15.8814, 18.4413



18.5258, 24.1137, 46.0612



1.4259, 1.8957, 3.4227

Inverse Universe

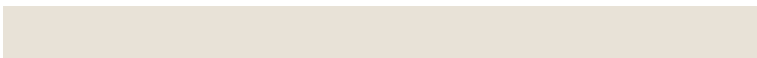
The Inverse Universe completely reimagines the original color for something new.



71.7237, 71.4152, 84.1368



87.5162, 85.9636, 103.2095



72.8327, 76.6375, 75.2449



14.8804, 14.5693, 17.5703



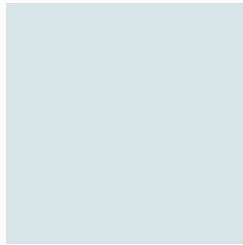
23.7445, 11.6320, 28.6131



1.7834, 0.8711, 2.2656

Previews

White Background



This preview shows how the XYZ color 70.6091, 76.3119, 87.3521 looks on a white background.

Color Contrast Check

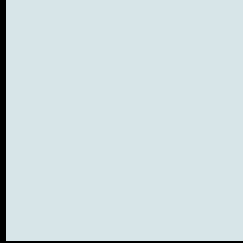
Large Text (above 18pt) WCAG AA × Fail

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 70.6091, 76.3119, 87.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

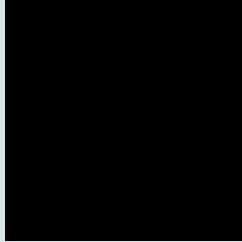
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

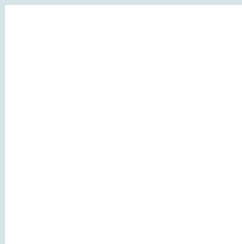
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6091, 76.3119, 87.3521

Background



This preview shows how black text looks on a background with the XYZ color 70.6091, 76.3119, 87.3521.

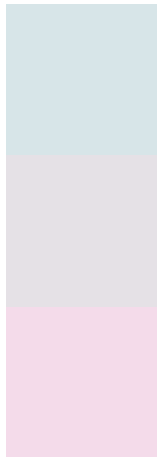


This preview shows how white text looks on a background with the XYZ color 70.6091, 76.3119,

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

70.6091, 76.3119, 87.3521

Protanopia

73.5212, 76.2216, 85.7002

Deuteranopia

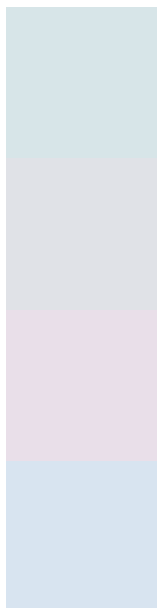
77.4910, 75.8366, 88.3956



Tritanopia

72.5658, 76.2825, 97.2856

Trichromacy



Original Color

70.6091, 76.3119, 87.3521

Protanomaly

72.3606, 76.0095, 86.4588

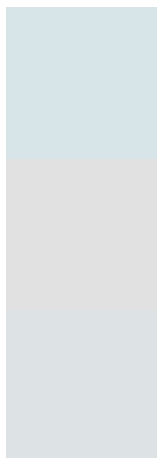
Deuteranomaly

74.6999, 75.9822, 87.8197

Tritanomaly

71.7905, 76.3770, 93.3965

Monochromacy



Original Color

70.6091, 76.3119, 87.3521

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.0187, 75.3663, 84.2029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6091, 76.3119, 87.3521 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(215, 229, 232) looks like.

```
.text, #text, p{  
    color:rgb(215, 229, 232)  
}
```

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(215, 229, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 229, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.6091, 76.3119, 87.3521 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(215, 229, 232) }
```


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

```
.border{ border-color:rgb(215, 229, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 229, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 229, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 229, 232);  
box-shadow:4px 4px 4px 4px rgb(215, 229,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6091, 76.3119, 87.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 229, 232) }
```

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

```
.background{ background-color: rgb(215,  
229, 232) }
```

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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