

Converting Colors

XYZ(70.3728, 75.2411, 87.2563)

Have a look what the booklet for
XYZ(70.3728, 75.2411, 87.2563)
contains.

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Color

**XYZ(70.3535, 75.3633,
87.1825)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E3E8
RGB	216, 227, 232
RGB Percent	85%, 89%, 91%
CMY	0.1529, 0.1098, 0.0902
CMYK	0.07, 0.02, 0.00, 0.09
HSL	199°, 26%, 88%
HSV	199°, 7%, 91%
XYZ	70.3535, 75.3633, 87.1825
YIQ	224.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

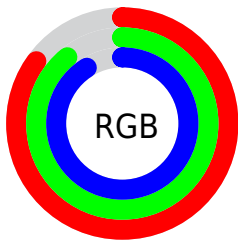
Format	Color
R_{YB}	216, 223, 232
Decimal	14214120
CIE _{Lab}	89.56, -2.72, -3.71
CIE _{LCh}	90, 4.603, 233.769
Yxy	75.3633, 0.3021, 0.3236
Android (android.graphics.Color)	4292404200 (0xFFD8E3E8)
YUV	224.2810, 3.8055, -7.2624
Hunter-Lab	86.8120, -7.2626, 1.2254

Details

The XYZ color **70.3535, 75.3633, 87.1825** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.5302, 73.8261, 75.4468**, and the grayscale version is **71.0321, 74.7313, 81.3824**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2869, 40.2167, 46.8717** is the 20% darker color. If you saturate the color by 10%, you get **62.0378, 68.1983, 86.2390**, and if you desaturate by 10%, it is **79.7247, 83.2004, 88.2025**.

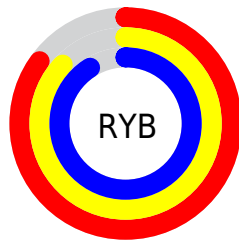
Distribution



Red (85%)

Green (89%)

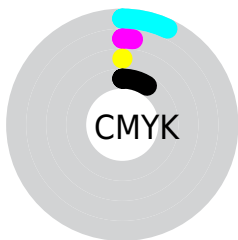
Blue (91%)



Red (85%)

Yellow (87%)

Blue (91%)

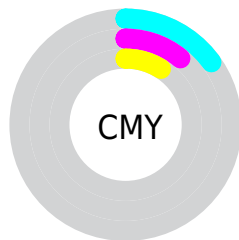


Cyan (7%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (15%)

Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3535, 75.3633, 87.1825 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 70.3535, 75.3633, 87.1825 by changing the saturation by 10% instead.

■ 70.3535, 75.3633,
87.1825

■ 70.3535, 75.3633,
87.1825

451.0373,
479.1653, 539.1541

■ 52.0954, 55.9106,
65.0858

118.7363,
126.8265, 145.3196

■ 37.3057, 40.1312,
47.0788

149.5916,
159.6058, 182.1970

■ 25.6190, 27.6409,
32.7432

185.3768,
197.5960, 224.8385

■ 16.6700, 18.0551,
21.6603

226.4572,
241.1815, 273.6624

■ 10.0934, 10.9896,
13.4116

273.1980,
290.7469, 329.0874

■ 5.5236, 6.0598,
7.5785

325.9648,

■ 2.5955, 2.8815,

346.6764, 391.5320

3.7426

385.1228,
409.3544, 461.4147

■ 0.9437, 1.0702,
1.4852

■ 0.0000, 0.0000,
0.2069

■ 70.3535, 75.3633,
87.1825

■ 70.3535, 75.3633,
87.1825

■ 62.0378, 68.1983,
86.2390

■ 79.7247, 83.2004,
88.2025

■ 54.7297, 61.6729,
85.3646

■ 87.4078, 90.2905,
89.1660

■ 48.3872, 55.7661,
84.5588

■ 89.6012, 94.6772,
89.8972

■ 42.9627, 50.4517,
83.8189

■ 91.5657, 98.6063,
90.5520

■ 38.4042, 45.7013,
83.1422

■ 34.6543, 41.4838,
82.5258

■ 31.6479, 37.7640,
81.9663

■ 29.3092, 34.5010,
81.4597

■ 27.5409, 31.6429,
81.0012

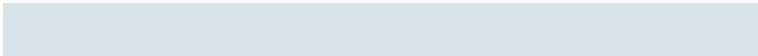
Harmonies

Analogous

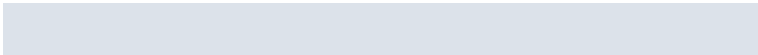
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6596, 75.3633, 84.5926



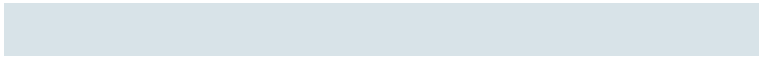
70.3535, 75.3633, 87.1825



71.3949, 75.3633, 88.4032

Triad

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



70.3535, 75.3633, 87.1825



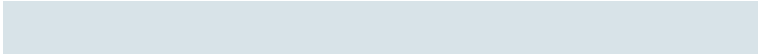
73.8132, 75.3633, 82.7353



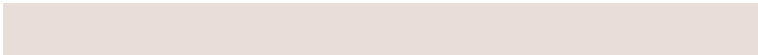
70.7580, 75.3633, 76.4915

Complementary

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



70.3535, 75.3633, 87.1825



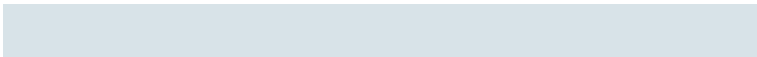
71.5302, 73.8261, 75.4468

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.



71.8667, 75.3633, 76.0236



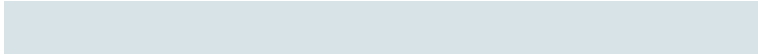
70.3535, 75.3633, 87.1825



73.6383, 75.3633, 79.5742

Square

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



70.3535, 75.3633, 87.1825



73.3983, 75.3633, 85.7924



72.9230, 75.3633, 77.1380



69.8914, 75.3633, 78.4332

Rectangle

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



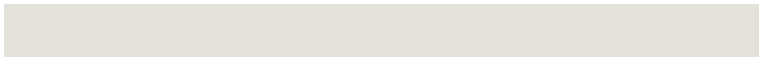
70.3535, 75.3633, 87.1825



72.1492, 75.3633, 88.2539



72.9230, 75.3633, 77.1380



71.1144, 75.3633, 76.1588

Sweetspot

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



70.3557, 75.3665, 87.1842



92.6925, 98.0336, 108.6447



70.2013, 77.5232, 79.5317



19.8647, 21.0039, 23.2571



0.0000, 0.0000, 0.0000



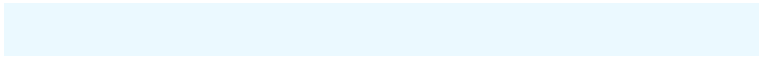
20.3446, 21.4041, 23.3091

Same Dimension

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



70.3557, 75.3665, 87.1842



85.9403, 92.3366, 107.9010



68.2694, 71.1939, 86.4887



14.4079, 15.5372, 18.3839



15.1391, 17.3402, 44.9323



1.2007, 1.4454, 3.3477

Inverse Universe

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



71.7014, 71.8151, 82.7594



87.8751, 87.2643, 101.5319



73.6386, 78.0430, 76.1497



14.7935, 14.5346, 17.1128



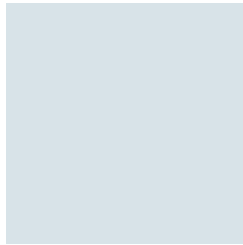
22.0350, 10.9482, 19.6112



1.6697, 0.8256, 1.6672

Previews

White Background



This preview shows how the XYZ color 70.3535, 75.3633, 87.1825 looks on a white background.

Color Contrast Check

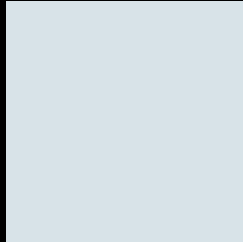
Large Text (above 18pt) WCAG AA × Fail

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 70.3535, 75.3633, 87.1825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

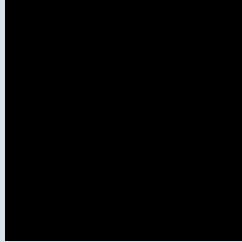
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

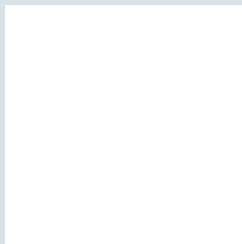
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.3535, 75.3633, 87.1825

Background



This preview shows how black text looks on a background with the XYZ color 70.3535, 75.3633, 87.1825.

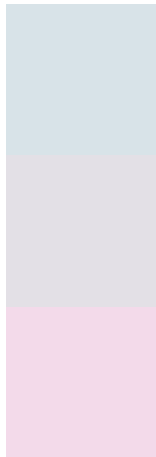


This preview shows how white text looks on a background with the XYZ color 70.3535, 75.3633,

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

70.3535, 75.3633, 87.1825

Protanopia

72.6171, 75.3554, 85.5806

Deuteranopia

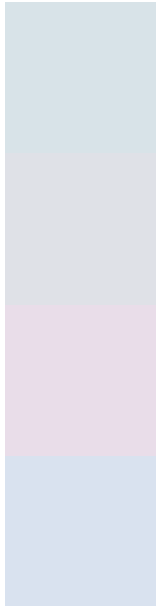
76.8848, 75.1380, 88.2927



Tritanopia

72.0163, 75.2269, 95.5186

Trichromacy



Original Color

70.3535, 75.3633, 87.1825

Protanomaly

71.7804, 75.3079, 86.3540

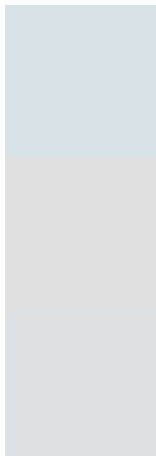
Deuteranomaly

74.1687, 74.9197, 87.6426

Tritanomaly

71.3916, 75.3764, 92.4477

Monochromacy



Original Color

70.3535, 75.3633, 87.1825

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.6091, 74.7686, 83.3833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3535, 75.3633, 87.1825 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(216, 227, 232) looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 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(216, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.3535, 75.3633, 87.1825 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(216, 227, 232) }
```


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

```
.border{ border-color:rgb(216, 227, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 227, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(216, 227,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3535, 75.3633, 87.1825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 227, 232) }
```

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

```
.background{ background-color: rgb(216,  
227, 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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