

Converting Colors

XYZ(70.3818, 76.3943, 80.6785)

Have a look what the booklet for
XYZ(70.3818, 76.3943, 80.6785)
contains.

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Color

**XYZ(70.2520, 76.2718,
80.8313)**

Conversions

Conversions Part 1

Format	Color
Hex	DAE5DF
RGB	218, 229, 223
RGB Percent	85%, 90%, 87%
CMY	0.1451, 0.1019, 0.1255
CMYK	0.05, 0.00, 0.03, 0.10
HSL	147°, 17%, 88%
HSV	147°, 5%, 90%
XYZ	70.2520, 76.2718, 80.8313
YIQ	225.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

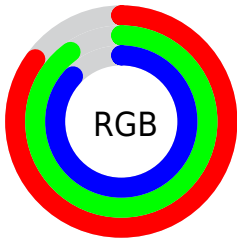
Format	Color
R _Y B	218, 226, 229
Decimal	14345695
CIE Lab	89.99, -4.76, 1.64
CIE LCh	90, 5.034, 160.988
Yxy	76.2718, 0.3090, 0.3355
Android (android.graphics.Color)	4292535775 (0xFFDAE5DF)
YUV	225.0270, -0.9993, -6.1627
Hunter-Lab	87.3337, -9.2471, 6.2580

Details

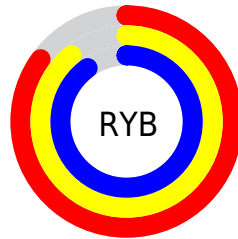
The XYZ color **70.2520, 76.2718, 80.8313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8418, 72.1845, 80.7239**, and the grayscale version is **71.5986, 75.3273, 82.0315**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3082, 40.8858, 42.9712** is the 20% darker color. If you saturate the color by 10%, you get **62.2487, 72.3356, 71.9860**, and if you desaturate by 10%, it is **79.3301, 80.7520, 90.3791**.

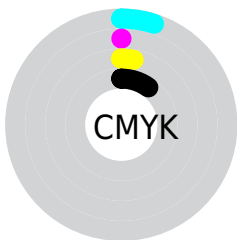
Distribution



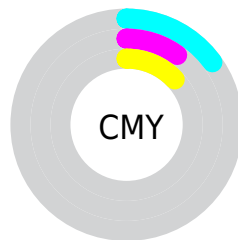
- Red (85%)
- Green (90%)
- Blue (87%)



- Red (85%)
- Yellow (89%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2520, 76.2718, 80.8313 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 70.2520, 76.2718, 80.8313 by changing the saturation by 10% instead.

■ 70.2520, 76.2718,
80.8313

■ 70.2520, 76.2718,
80.8313

450.6870,
482.2776, 517.5104

■ 52.0123, 56.6554,
59.8725

118.5924,
128.1110, 136.3558

■ 37.2392, 40.7286,
42.8912

149.4238,
161.1027, 171.7586

■ 25.5673, 28.1071,
29.4690

185.1832,
199.3215, 212.8131

■ 16.6312, 18.4064,
19.1873

226.2359,
243.1520, 259.9378

■ 10.0656, 11.2422,
11.6275

272.9472,
292.9784, 313.5514

■ 5.5050, 6.2300,
6.3711

325.6826,

■ 2.5843, 2.9854,

349.1852, 374.0723

2.9996

384.8074,
412.1568, 441.9192

■ 0.9380, 1.1241,
1.0944

■ 0.0000, 0.0000,
0.0000

■ 70.2520, 76.2718,
80.8313

■ 70.2520, 76.2718,
80.8313

■ 62.2487, 72.3356,
71.9860

■ 79.3301, 80.7520,
90.3791

■ 55.2726, 68.9128,
63.8222

■ 86.2026, 84.0783,
100.4845

■ 49.2818, 65.9841,
56.3252

■ 87.3108, 84.5216,
106.3203

■ 44.2291, 63.5257,
49.4780

■ 40.0633, 61.5114,
43.2625

■ 36.7279, 59.9125,
37.6601

■ 34.1596, 58.6967,
32.6511

■ 32.2851, 57.8266,
28.2142

■ 31.0156, 57.2569,
24.3270

Harmonies

Analogous

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



70.9337, 76.2718, 77.9736



70.2520, 76.2718, 80.8313



70.1670, 76.2718, 84.3619

Triad

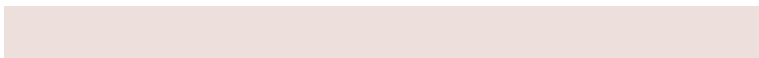
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2520, 76.2718, 80.8313



72.9517, 76.2718, 89.9679



74.3180, 76.2718, 78.6266

Complementary

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



70.2520, 76.2718, 80.8313



70.8418, 72.1845, 80.7239

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.



74.8720, 76.2718, 81.7459



70.2520, 76.2718, 80.8313



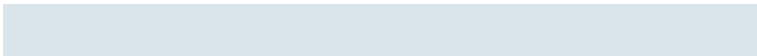
74.0772, 76.2718, 88.3359

Square

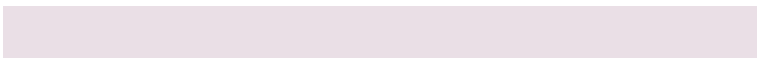
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2520, 76.2718, 80.8313



71.7162, 76.2718, 89.7059



74.7833, 76.2718, 85.3029



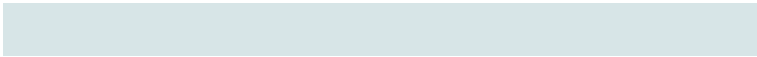
73.2775, 76.2718, 76.7261

Rectangle

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



70.2520, 76.2718, 80.8313



70.4591, 76.2718, 86.6307



74.7833, 76.2718, 85.3029



74.5678, 76.2718, 79.5636

Sweetspot

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



70.2542, 76.2751, 80.8330



93.8948, 99.4303, 107.6809



71.4329, 76.9595, 77.4203



20.1095, 21.2882, 23.0610



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.



70.2542, 76.2751, 80.8330



88.3283, 96.6868, 101.7217



71.0015, 76.5740, 84.7686



14.9663, 16.4467, 17.2427



17.5095, 32.6359, 13.1831



1.3402, 2.4302, 1.2183

Inverse Universe

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



70.8418, 72.1845, 80.7239



89.2625, 90.1839, 101.5482



70.1138, 71.8933, 76.8901



15.1404, 15.2344, 17.2103



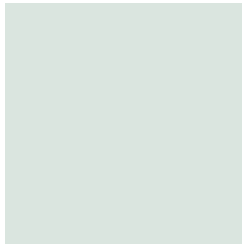
20.6509, 10.3946, 12.3224



1.5728, 0.7868, 1.1567

Previews

White Background



This preview shows how the XYZ color 70.2520, 76.2718, 80.8313 looks on a white background.

Color Contrast Check

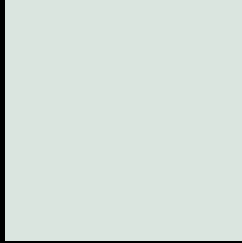
Large Text (above 18pt) WCAG AA × Fail

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 70.2520, 76.2718, 80.8313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

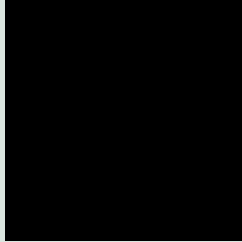
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

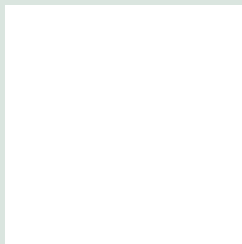
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2520, 76.2718, 80.8313

Background



This preview shows how black text looks on a background with the XYZ color 70.2520, 76.2718, 80.8313.

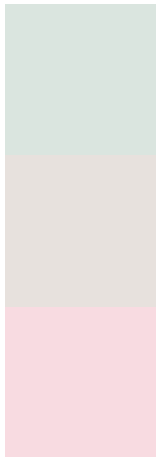


This preview shows how white text looks on a background with the XYZ color 70.2520, 76.2718,

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

70.2520, 76.2718, 80.8313

Protanopia

72.9314, 76.0598, 79.2437

Deuteranopia

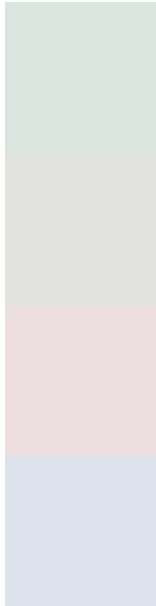
77.6335, 76.0557, 81.8227



Tritanopia

73.3443, 76.2965, 96.4490

Trichromacy



Original Color

70.2520, 76.2718, 80.8313

Protanomaly

71.7452, 75.8354, 79.9636

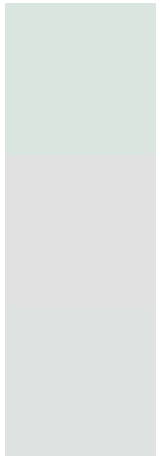
Deuteranomaly

74.7673, 76.1617, 81.2810

Tritanomaly

72.1246, 76.2099, 90.2655

Monochromacy



Original Color

70.2520, 76.2718, 80.8313

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.7751, 75.3041, 81.3259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2520, 76.2718, 80.8313 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(218, 229, 223) looks like.

```
.text, #text, p{  
    color:rgb(218, 229, 223)  
}
```

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(218, 229, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 229, 223) }
```

Border

The CSS property to change the border of an element to XYZ 70.2520, 76.2718, 80.8313 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(218, 229, 223) }
```


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

```
.border{ border-color:rgb(218, 229, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 229, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 229, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 229, 223);  
box-shadow:4px 4px 4px 4px rgb(218, 229,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2520, 76.2718, 80.8313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 229, 223) }
```

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

```
.background{ background-color: rgb(218,  
229, 223) }
```

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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