

Converting Colors

XYZ(70.2474, 73.2818, 86.5082)

Have a look what the booklet for
XYZ(70.2474, 73.2818, 86.5082)
contains.

XYZ(70.2020, 73.2844, 86.7892)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.2020, 73.2844,
86.7892)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDEE8
RGB	220, 222, 232
RGB Percent	86%, 87%, 91%
CMY	0.1372, 0.1294, 0.0902
CMYK	0.05, 0.04, 0.00, 0.09
HSL	230°, 21%, 89%
HSV	230°, 5%, 91%
XYZ	70.2020, 73.2844, 86.7892
YIQ	222.5420, -4.4020, 2.6860

Conversions

Conversions Part 2

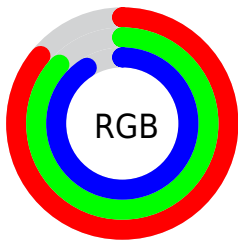
Format	Color
R _Y B	220, 222, 232
Decimal	14474984
CIE Lab	88.58, 1.18, -5.12
CIE LCh	89, 5.256, 282.949
Yxy	73.2844, 0.3049, 0.3182
Android (android.graphics.Color)	4292665064 (0xFFDCDEE8)
YUV	222.5420, 4.6628, -2.2293
Hunter-Lab	85.6063, -3.4310, -0.1848

Details

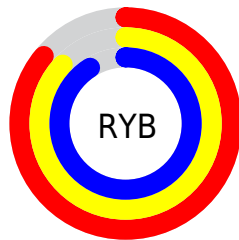
The XYZ color **70.2020, 73.2844, 86.7892** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.4940, 78.9161, 79.0175**, and the grayscale version is **69.7865, 73.4208, 79.9553**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1722, 38.7714, 46.5987** is the 20% darker color. If you saturate the color by 10%, you get **58.8198, 60.2299, 84.8705**, and if you desaturate by 10%, it is **83.1513, 88.0244, 88.9529**.

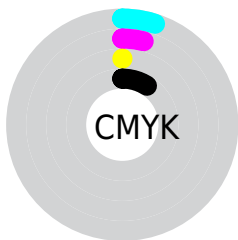
Distribution



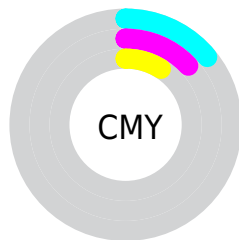
- Red (86%)
- Green (87%)
- Blue (91%)



- Red (86%)
- Yellow (87%)
- Blue (91%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2020, 73.2844, 86.7892 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 70.2020, 73.2844, 86.7892 by changing the saturation by 10% instead.

■ 70.2020, 73.2844,
86.7892

■ 70.2020, 73.2844,
86.7892

450.5143,
471.9999, 537.8281

■ 51.9714, 54.2085,
64.7621

118.5215,
123.8809, 144.7666

■ 37.2065, 38.7684,
46.8181

149.3411,
156.1703, 181.5539

■ 25.5418, 26.5796,
32.5386

185.0877,
193.6330, 224.0985

■ 16.6121, 17.2578,
21.5050

226.1268,
236.6534, 272.8188

■ 10.0519, 10.4184,
13.2988

272.8236,
285.6159, 328.1334

■ 5.4959, 5.6773,
7.5015

325.5436,

■ 2.5788, 2.6498,

340.9049, 390.4608

3.6945

384.6520,
402.9048, 460.2195

■ 0.9351, 0.9518,
1.4593

■ 0.0000, 0.0000,
0.1873

■ 70.2020, 73.2844,
86.7892

■ 70.2020, 73.2844,
86.7892

■ 58.8198, 60.2299,
84.8705

■ 83.1513, 88.0244,
88.9529

■ 48.9386, 48.7913,
83.1834

■ 91.5657, 98.6063,
90.5519

■ 40.4972, 38.9081,
81.7206

■ 33.4273, 30.5122,
80.4727

■ 27.6553, 23.5306,
79.4293

■ 23.1005, 17.8838,
78.5795

■ 19.6728, 13.4844,
77.9109

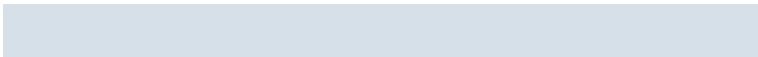
■ 17.2691, 10.2340,
77.4102

■ 15.7659, 8.0178,
77.0617

Harmonies

Analogous

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



68.9427, 73.2844, 86.6526



70.2020, 73.2844, 86.7892



71.3278, 73.2844, 85.0111

Triad

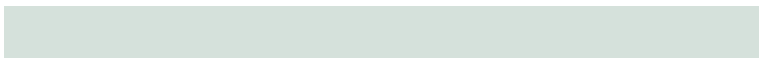
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2020, 73.2844, 86.7892



71.4532, 73.2844, 75.1340



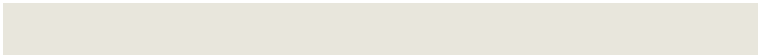
67.3513, 73.2844, 77.7658

Complementary

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



70.2020, 73.2844, 86.7892



74.4940, 78.9161, 79.0175

Split Complementary

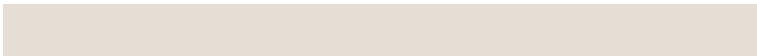
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0078, 73.2844, 74.7953



70.2020, 73.2844, 86.7892



70.3714, 73.2844, 73.3077

Square

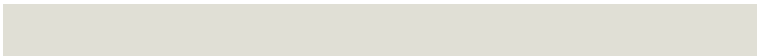
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2020, 73.2844, 86.7892



72.0561, 73.2844, 78.2409



69.1101, 73.2844, 73.1856



67.3072, 73.2844, 81.3680

Rectangle

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



70.2020, 73.2844, 86.7892



71.8470, 73.2844, 83.0097



69.1101, 73.2844, 73.1856



67.5073, 73.2844, 76.6630

Sweetspot

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



70.2041, 73.2875, 86.7908



91.8581, 96.3647, 108.3665



72.6279, 78.6320, 86.0665



19.6949, 20.6641, 23.2005



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.



70.2041, 73.2875, 86.7908



85.7113, 89.3485, 107.3363



70.8385, 72.8293, 86.6689



14.4784, 15.0778, 18.2916



8.5454, 4.1529, 42.7344



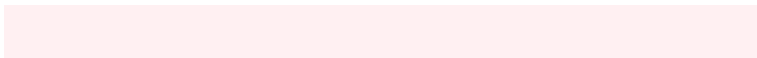
0.6900, 0.4238, 3.1774

Inverse Universe

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



72.0584, 73.6176, 79.5226



88.3771, 89.8298, 96.8857



73.8345, 79.4085, 79.1473



14.9756, 15.1684, 16.3422



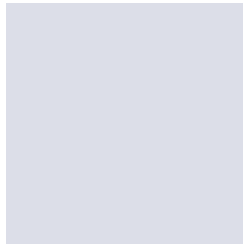
18.7068, 9.6170, 2.0852



1.4119, 0.7225, 0.3095

Previews

White Background



This preview shows how the XYZ color 70.2020, 73.2844, 86.7892 looks on a white background.

Color Contrast Check

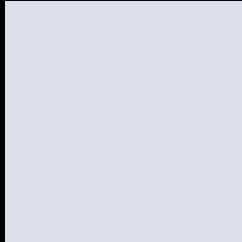
Large Text (above 18pt) WCAG AA × Fail

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 70.2020, 73.2844, 86.7892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

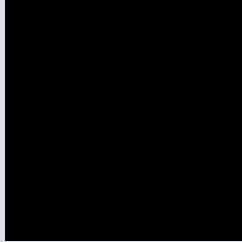
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

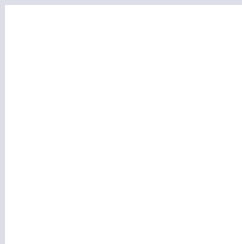
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2020, 73.2844, 86.7892

Background



This preview shows how black text looks on a background with the XYZ color 70.2020, 73.2844, 86.7892.



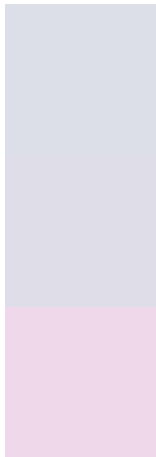
This preview shows how white text looks on a background with the XYZ color 70.2020, 73.2844,

86.7892.

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

70.2020, 73.2844, 86.7892

Protanopia

70.7117, 73.1704, 85.9977

Deuteranopia

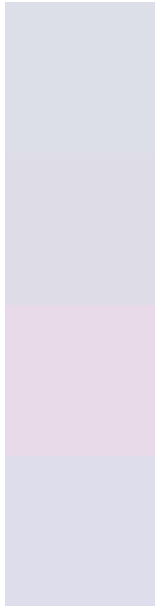
74.8605, 73.3456, 87.3023



Tritanopia

71.1079, 73.2581, 91.2814

Trichromacy



Original Color

70.2020, 73.2844, 86.7892

Protanomaly

70.4045, 73.0120, 85.9833

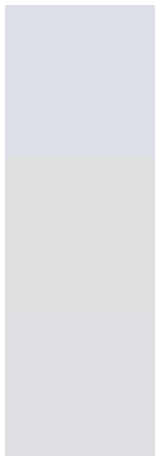
Deuteranomaly

73.0581, 73.1818, 87.3657

Tritanomaly

70.8156, 73.1412, 89.7422

Monochromacy



Original Color

70.2020, 73.2844, 86.7892

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

70.2393, 73.7959, 82.4935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2020, 73.2844, 86.7892 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, 222, 232) looks like.

```
.text, #text, p{  
    color:rgb(220, 222, 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(220, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 222, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.2020, 73.2844, 86.7892 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, 222, 232) }
```


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

```
.border{ border-color:rgb(220, 222, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(220, 222,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2020, 73.2844, 86.7892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 222, 232) }
```

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

```
.background{ background-color: rgb(220,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor