

Converting Colors

XYZ(71.5272, 76.2207, 88.3702)

Have a look what the booklet for
XYZ(71.5272, 76.2207, 88.3702)
contains.

XYZ(71.6648, 76.4301, 88.0661)	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(71.6648, 76.4301,
88.0661)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE4E9
RGB	219, 228, 233
RGB Percent	86%, 89%, 91%
CMY	0.1412, 0.1059, 0.0863
CMYK	0.06, 0.02, 0.00, 0.09
HSL	201°, 24%, 89%
HSV	201°, 6%, 91%
XYZ	71.6648, 76.4301, 88.0661
YIQ	225.8790, -6.9690, -0.3530

Conversions

Conversions Part 2

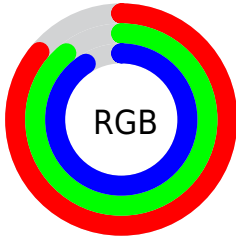
Format	Color
R _Y B	219, 224, 233
Decimal	14410985
CIE Lab	90.06, -2.06, -3.48
CIE LCh	90, 4.049, 239.345
Yxy	76.4301, 0.3035, 0.3236
Android (android.graphics.Color)	4292601065 (0xFFD _B E4E9)
YUV	225.8790, 3.5107, -6.0329
Hunter-Lab	87.4243, -6.6698, 1.4718

Details

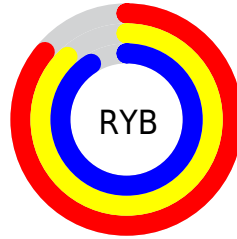
The XYZ color **71.6648, 76.4301, 88.0661** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.0463, 75.7487, 77.7900**, and the grayscale version is **72.1822, 75.9413, 82.7001**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1892, 40.9540, 47.4871** is the 20% darker color. If you saturate the color by 10%, you get **62.9075, 68.6029, 87.0180**, and if you desaturate by 10%, it is **81.5177, 84.9897, 89.2001**.

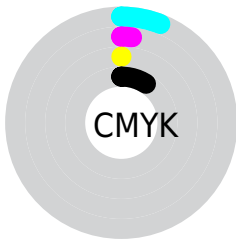
Distribution



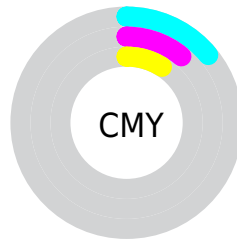
- Red (86%)
- Green (89%)
- Blue (91%)



- Red (86%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6648, 76.4301, 88.0661 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 71.6648, 76.4301, 88.0661 by changing the saturation by 10% instead.

■ 71.6648, 76.4301,
88.0661

■ 71.6648, 76.4301,
88.0661

455.5498,
482.8187, 542.1266

■ 53.1694, 56.7853,
65.8132

120.5932,
128.3347, 146.5611

■ 38.1660, 40.8329,
47.6652

151.7569,
161.3632, 183.6403

■ 26.2894, 28.1885,
33.2037

187.8742,
199.6218, 226.4986

■ 17.1741, 18.4678,
22.0102

229.3102,
243.4948, 275.5547

■ 10.4547, 11.2864,
13.6660

276.4304,
293.3666, 331.2269

■ 5.7661, 6.2598,
7.7526

329.6002,

■ 2.7427, 3.0037,

349.6216, 393.9340

3.8516

389.1849,
412.6441, 464.0944

■ 1.0192, 1.1337,
1.5443

■ 0.0000, 0.0065,
0.2506

■ 71.6648, 76.4301,
88.0661

■ 71.6648, 76.4301,
88.0661

■ 62.9075, 68.6029,
87.0180

■ 81.5177, 84.9897,
89.2001

■ 55.1972, 61.4743,
86.0485

■ 88.4906, 92.2280,
90.2298

■ 48.4911, 55.0223,
85.1565

■ 91.0581, 97.3631,
91.0856

■ 42.7409, 49.2194,
84.3395

■ 91.7082, 98.6633,
91.3023

■ 37.8940, 44.0362,
83.5945

■ 33.8924, 39.4401,
82.9183

■ 30.6704, 35.3950,
82.3073

■ 28.1521, 31.8589,
81.7575

■ 26.2433, 28.7806,
81.2640

Harmonies

Analogous

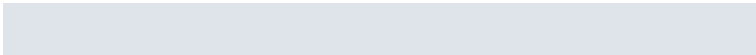
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9749, 76.4301, 85.9580



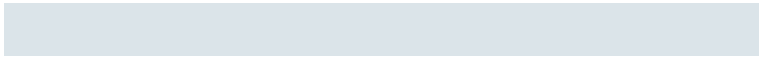
71.6648, 76.4301, 88.0661



72.6225, 76.4301, 88.8704

Triad

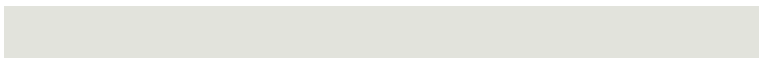
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6648, 76.4301, 88.0661



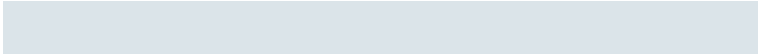
74.5918, 76.4301, 83.2826



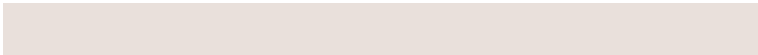
71.7027, 76.4301, 78.4931

Complementary

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



71.6648, 76.4301, 88.0661



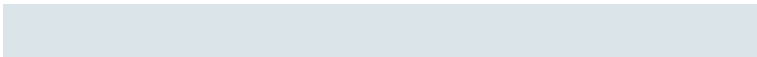
73.0463, 75.7487, 77.7900

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.



72.6666, 76.4301, 77.8132



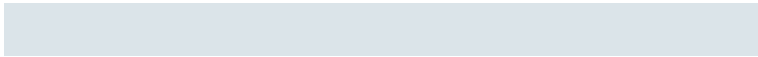
71.6648, 76.4301, 88.0661



74.3401, 76.4301, 80.5395

Square

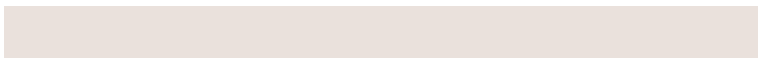
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6648, 76.4301, 88.0661



74.3177, 76.4301, 86.0699



73.6331, 76.4301, 78.5538



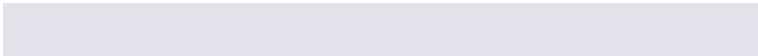
70.9966, 76.4301, 80.4325

Rectangle

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



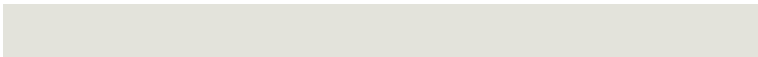
71.6648, 76.4301, 88.0661



73.2858, 76.4301, 88.5451



73.6331, 76.4301, 78.5538



72.0070, 76.4301, 78.1117

Sweetspot

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



71.6670, 76.4333, 88.0678



92.6206, 97.8897, 108.6207



71.7945, 78.7155, 81.8607



19.8501, 20.9746, 23.2522



0.0000, 0.0000, 0.0000



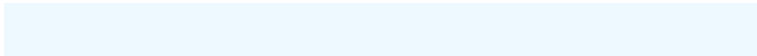
20.3446, 21.4041, 23.3091

Same Dimension

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



71.6670, 76.4333, 88.0678



86.7865, 92.7730, 107.9406



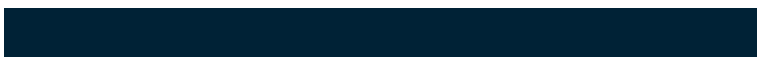
69.8054, 72.7102, 87.4473



15.4145, 16.4979, 19.2942



14.6415, 15.9301, 46.0461



1.2400, 1.4315, 3.6458

Inverse Universe

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



72.9411, 73.5896, 83.7624



88.6088, 88.7317, 101.7768



74.9395, 79.5352, 78.4211



15.7647, 15.7239, 18.1091



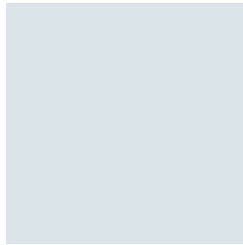
22.2457, 11.1010, 17.6269



1.7924, 0.8899, 1.6241

Previews

White Background



This preview shows how the XYZ color 71.6648, 76.4301, 88.0661 looks on a white background.

Color Contrast Check

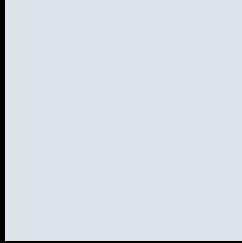
Large Text (above 18pt) WCAG AA × Fail

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 71.6648, 76.4301, 88.0661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

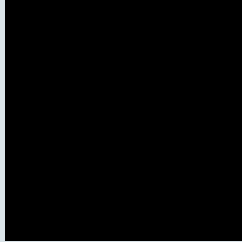
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

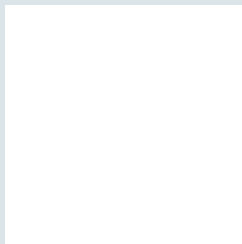
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6648, 76.4301, 88.0661

Background



This preview shows how black text looks on a background with the XYZ color 71.6648, 76.4301, 88.0661.



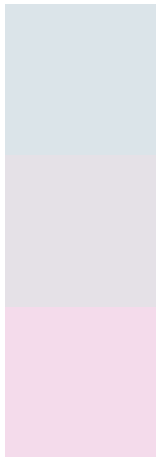
This preview shows how white text looks on a background with the XYZ color 71.6648, 76.4301,

88.0661.

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

71.6648, 76.4301, 88.0661

Protanopia

73.6621, 76.2780, 86.4420

Deuteranopia

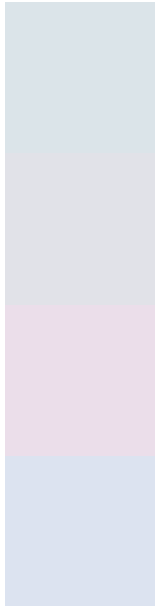
77.6351, 75.8943, 89.1545



Tritanopia

73.3443, 76.2965, 96.4490

Trichromacy



Original Color

71.6648, 76.4301, 88.0661

Protanomaly

72.8132, 76.2265, 87.2194

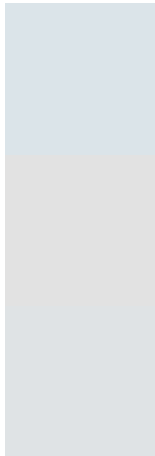
Deuteranomaly

75.2335, 75.8452, 88.5163

Tritanomaly

72.7125, 76.4451, 93.3611

Monochromacy



Original Color

71.6648, 76.4301, 88.0661

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.0434, 76.2833, 85.0558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6648, 76.4301, 88.0661 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(219, 228, 233) looks like.

```
.text, #text, p{  
    color:rgb(219, 228, 233)  
}
```

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(219, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 228, 233) }
```

Border

The CSS property to change the border of an element to XYZ 71.6648, 76.4301, 88.0661 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(219, 228, 233) }
```


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

```
.border{ border-color:rgb(219, 228, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 228, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 228, 233); box-shadow:4px 4px 4px 4px rgb(219, 228, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6648, 76.4301, 88.0661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 228, 233) }
```

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

```
.background{ background-color: rgb(219,  
228, 233) }
```

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