

Converting Colors

XYZ(70.1046, 73.2046, 91.8773)

Have a look what the booklet for
XYZ(70.1046, 73.2046, 91.8773)
contains.

XYZ(70.0202, 73.0735, 92.0755)	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(70.0202, 73.0735,
92.0755)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DEEF
RGB	216, 222, 239
RGB Percent	85%, 87%, 94%
CMY	0.1529, 0.1294, 0.0627
CMYK	0.10, 0.07, 0.00, 0.06
HSL	224°, 42%, 89%
HSV	224°, 10%, 94%
XYZ	70.0202, 73.0735, 92.0755
YIQ	222.1440, -9.0330, 4.0150

Conversions

Conversions Part 2

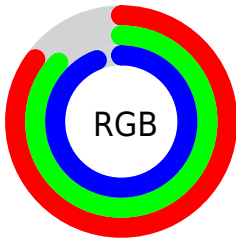
Format	Color
R _Y B	216, 221, 239
Decimal	14212847
CIE Lab	88.48, 1.22, -8.99
CIE LCh	88, 9.069, 277.732
Yxy	73.0735, 0.2977, 0.3107
Android (android.graphics.Color)	4292402927 (0xFFD8DEEF)
YUV	222.1440, 8.3100, -5.3883
Hunter-Lab	85.4830, -3.3838, -4.0243

Details

The XYZ color **70.0202, 73.0735, 92.0755** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.1305, 81.5859, 76.6496**, and the grayscale version is **69.4824, 73.1009, 79.6069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0639, 38.6334, 50.3033** is the 20% darker color. If you saturate the color by 10%, you get **59.0187, 60.8008, 90.2876**, and if you desaturate by 10%, it is **82.5444, 86.8646, 94.0785**.

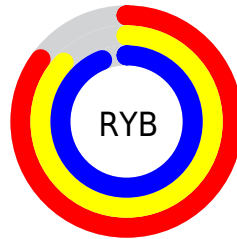
Distribution



Red (85%)

Green (87%)

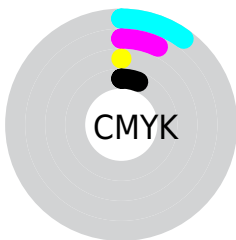
Blue (94%)



Red (85%)

Yellow (87%)

Blue (94%)

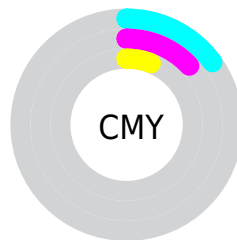


Cyan (10%)

Magenta (7%)

Yellow (0%)

Black (6%)



Cyan (15%)

Magenta (13%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0202, 73.0735, 92.0755 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 70.0202, 73.0735, 92.0755 by changing the saturation by 10% instead.

■ 70.0202, 73.0735,
92.0755

■ 70.0202, 73.0735,
92.0755

449.8862,
471.2695, 555.5029

■ 51.8227, 54.0361,
69.1200

118.2637,
123.5815, 152.1786

■ 37.0874, 38.6305,
50.3370

149.0403,
155.8210, 190.1633

■ 25.4492, 26.4724,
35.3082

184.7407,
193.2298, 233.9948

■ 16.5425, 17.1774,
23.6149

225.7302,
236.1925, 284.0916

■ 10.0021, 10.3610,
14.8387

272.3741,
285.0934, 340.8722

■ 5.4627, 5.6390,
8.5609

325.0379,

■ 2.5587, 2.6268,

340.3169, 404.7553

4.3630

384.0868,
402.2475, 476.1593

■ 0.9250, 0.9402,
1.8265

■ 0.0000, 0.0000,
0.4454

■ 70.0202, 73.0735,
92.0755

■ 70.0202, 73.0735,
92.0755

■ 59.0187, 60.8008,
90.2876

■ 82.5444, 86.8646,
94.0785

■ 49.4744, 49.9845,
88.7029

■ 92.5802, 99.0121,
95.8942

■ 41.3260, 40.5715,
87.3155

■ 34.5059, 32.5021,
86.1174

■ 28.9400, 25.7121,
85.1001

■ 24.5469, 20.1313,
84.2545

■ 21.2349, 15.6825,
83.5703

■ 18.8970, 12.2779,
83.0364

■ 17.3716, 9.7980,
82.6381

Harmonies

Analogous

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



67.8763, 73.0735, 91.2109



70.0202, 73.0735, 92.0755



72.0536, 73.0735, 89.4515

Triad

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



70.0202, 73.0735, 92.0755



72.8256, 73.0735, 72.4352



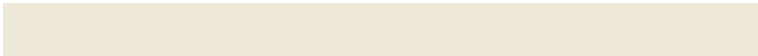
65.6432, 73.0735, 75.0975

Complementary

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



70.0202, 73.0735, 92.0755



77.1305, 81.5859, 76.6496

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.



66.9180, 73.0735, 70.4345



70.0202, 73.0735, 92.0755



71.0563, 73.0735, 68.9545

Square

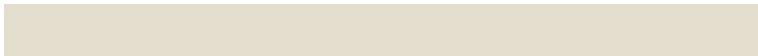
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0202, 73.0735, 92.0755



73.6953, 73.0735, 77.9589



68.8912, 73.0735, 68.2417



65.3790, 73.0735, 81.1923

Rectangle

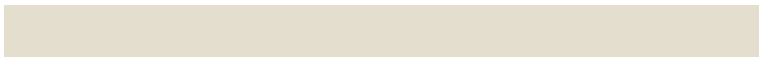
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



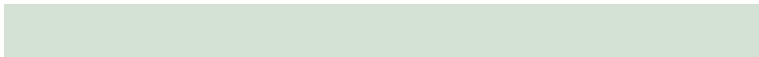
70.0202, 73.0735, 92.0755



73.0627, 73.0735, 86.1538



68.8912, 73.0735, 68.2417



65.9665, 73.0735, 73.3203

Sweetspot

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



70.0223, 73.0766, 92.0771



90.5143, 95.0237, 108.1785



73.8756, 82.2088, 88.9664



19.1202, 20.0602, 23.1142



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.



70.0223, 73.0766, 92.0771



77.8802, 81.0625, 106.1496



70.0678, 70.7750, 91.6305



15.2327, 15.8995, 19.9877



9.6636, 5.5514, 45.6901



0.8821, 0.6181, 3.8270

Inverse Universe

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



73.3390, 72.7380, 79.2853



82.6238, 80.6348, 87.8416



77.0738, 84.1225, 77.1422



15.9421, 15.8266, 17.2515



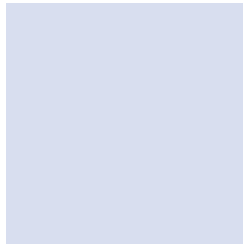
20.2033, 10.3538, 3.7214



1.7202, 0.8771, 0.5173

Previews

White Background



This preview shows how the XYZ color 70.0202, 73.0735, 92.0755 looks on a white background.

Color Contrast Check

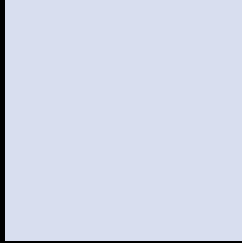
Large Text (above 18pt) WCAG AA × Fail

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 70.0202, 73.0735, 92.0755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

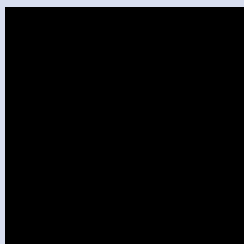
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0202, 73.0735, 92.0755

Background



This preview shows how black text looks on a background with the XYZ color 70.0202, 73.0735, 92.0755.



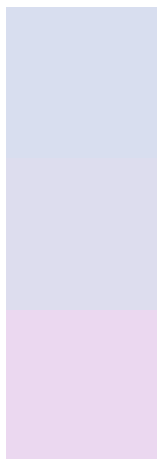
This preview shows how white text looks on a background with the XYZ color 70.0202, 73.0735,

92.0755.

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

70.0202, 73.0735, 92.0755

Protanopia

71.1079, 73.2581, 91.2814

Deuteranopia

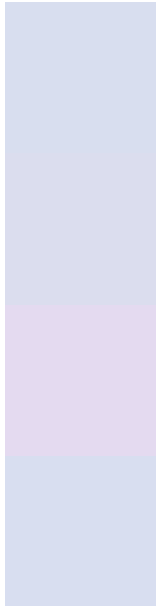
74.5450, 73.0652, 92.6121



Tritanopia

70.1684, 73.1328, 92.8558

Trichromacy



Original Color

70.0202, 73.0735, 92.0755

Protanomaly

70.5025, 72.9460, 91.2530

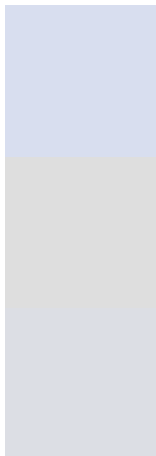
Deuteranomaly

72.7945, 72.9281, 92.6779

Tritanomaly

70.1684, 73.1328, 92.8558

Monochromacy



Original Color

70.0202, 73.0735, 92.0755

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.6401, 73.0596, 83.8303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0202, 73.0735, 92.0755 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, 222, 239) looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 239)  
}
```

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, 222, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 239) }
```

Border

The CSS property to change the border of an element to XYZ 70.0202, 73.0735, 92.0755 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, 222, 239) }
```


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

```
.border{ border-color:rgb(216, 222, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 239);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0202, 73.0735, 92.0755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 239) }
```

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

```
.background{ background-color: rgb(216,  
222, 239) }
```

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