

Converting Colors

XYZ(70.7316, 79.8016, 90.0505)

Have a look what the booklet for
XYZ(70.7316, 79.8016, 90.0505)
contains.

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Color

**XYZ(70.7332, 79.6883,
90.2506)**

Conversions

Conversions Part 1

Format	Color
Hex	CEEDEB
RGB	206, 237, 235
RGB Percent	81%, 93%, 92%
CMY	0.1921, 0.0706, 0.0784
CMYK	0.13, 0.00, 0.01, 0.07
HSL	176°, 46%, 87%
HSV	176°, 13%, 93%
XYZ	70.7332, 79.6883, 90.2506
YIQ	227.5030, -17.8340, -7.1940

Conversions

Conversions Part 2

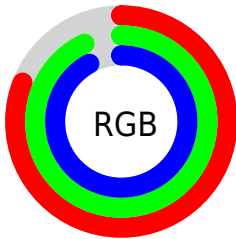
Format	Color
R _{YB}	206, 222, 237
Decimal	13561323
CIE Lab	91.54, -10.45, -2.45
CIE LCh	92, 10.734, 193.188
Yxy	79.6883, 0.2939, 0.3311
Android (android.graphics.Color)	4291751403 (0xFFCEEDEB)
YUV	227.5030, 3.6960, -18.8581
Hunter-Lab	89.2683, -14.7821, 2.5454

Details

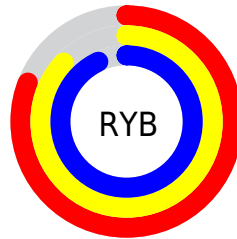
The XYZ color **70.7332, 79.6883, 90.2506** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3844, 66.7034, 68.9489**, and the grayscale version is **73.3650, 77.1857, 84.0552**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4231, 42.8817, 48.9524** is the 20% darker color. If you saturate the color by 10%, you get **64.4236, 76.4632, 88.8068**, and if you desaturate by 10%, it is **78.0413, 83.4323, 91.7544**.

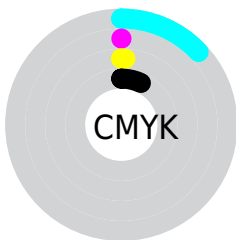
Distribution



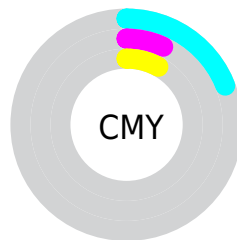
- Red (81%)
- Green (93%)
- Blue (92%)



- Red (81%)
- Yellow (87%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (19%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7332, 79.6883, 90.2506 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 70.7332, 79.6883, 90.2506 by changing the saturation by 10% instead.

70.7332, 79.6883,
90.2506

70.7332, 79.6883,
90.2506

452.3466,
493.8818, 549.4368

52.4062, 59.4619,
67.6136

119.2743,
132.9274, 149.6250

37.5546, 42.9851,
49.1187

150.2192,
166.7089, 187.1995

25.8128, 29.8734,
34.3474

186.1008,
205.7775, 230.5903

16.8156, 19.7425,
22.8811

227.2845,
250.5177, 280.2158

10.1976, 12.2080,
14.3013

274.1355,
301.3138, 336.4947

5.5934, 6.8855,
8.1894

327.0193,

2.6378, 3.3906,

358.5503, 399.8455

4.1268

386.3012,
422.6115, 470.6867

■ 0.9652, 1.3389,
1.6952

■ 0.0000, 0.1710,
0.3574

■ 70.7332, 79.6883,
90.2506

■ 70.7332, 79.6883,
90.2506

■ 64.4236, 76.4632,
88.8068

■ 78.0413, 83.4323,
91.7544

■ 59.0615, 73.7242,
87.4157

■ 86.3827, 87.7065,
93.3148

■ 54.6015, 71.4500,
86.0766

■ 87.1938, 88.0985,
94.5328

■ 50.9919, 69.6140,
84.7872

■ 87.4218, 88.1897,
95.7336

■ 48.1757, 68.1867,
83.5448

■ 87.6518, 88.2817,
96.9445

■ 46.0888, 67.1352,
82.3463

■ 87.8837, 88.3744,
98.1655

■ 44.6573, 66.4214,
81.1883

■ 88.1175, 88.4680,
99.3968

■ 43.7918, 65.9992,
80.0666

■ 88.3532, 88.5623,
100.6382

■ 43.4290, 65.8286,
79.3072

■ 88.5909, 88.6573,
101.8898

Harmonies

Analogous

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



70.8155, 79.6883, 82.4813



70.7332, 79.6883, 90.2506



71.9695, 79.6883, 97.4940

Triad

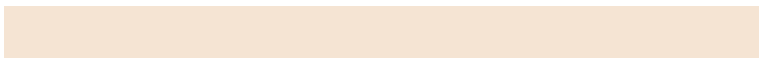
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7332, 79.6883, 90.2506



79.3997, 79.6883, 98.2239



77.2733, 79.6883, 73.1270

Complementary

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



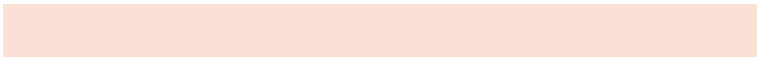
70.7332, 79.6883, 90.2506



68.3844, 66.7034, 68.9489

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.



79.6427, 79.6883, 76.8572



70.7332, 79.6883, 90.2506



80.8905, 79.6883, 91.1986

Square

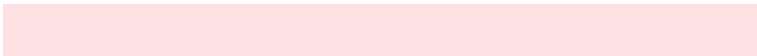
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7332, 79.6883, 90.2506



76.9481, 79.6883, 102.2807



80.9805, 79.6883, 83.3742



74.5472, 79.6883, 72.9072

Rectangle

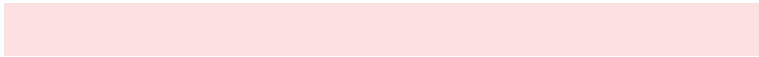
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



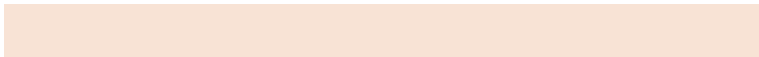
70.7332, 79.6883, 90.2506



73.3928, 79.6883, 100.9225



80.9805, 79.6883, 83.3742



78.1395, 79.6883, 74.0012

Sweetspot

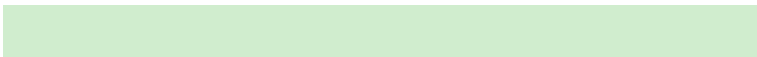
The Sweet Spot groups the original color and five complimentary colors.



70.7355, 79.6916, 90.2524



91.2905, 98.0741, 108.1711



67.4583, 78.4475, 69.9804



19.3933, 20.9168, 23.1240



0.0000, 0.0000, 0.0000



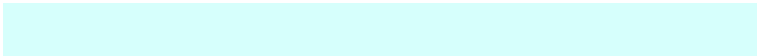
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7355, 79.6916, 90.2524



81.1784, 92.8976, 106.0504



67.2814, 72.3176, 90.5371



15.4732, 17.1041, 19.1747



23.7285, 35.9459, 43.3968



1.8760, 2.8277, 3.4747

Inverse Universe

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



68.3844, 66.7034, 68.9489



77.8403, 74.4557, 75.8028



71.5132, 73.3530, 68.7834



15.1049, 15.0698, 15.8379



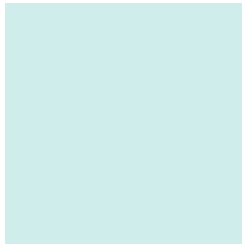
19.1323, 9.8556, 1.2322



1.5162, 0.7795, 0.1699

Previews

White Background



This preview shows how the XYZ color 70.7332, 79.6883, 90.2506 looks on a white background.

Color Contrast Check

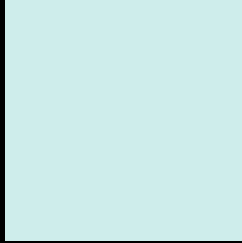
Large Text (above 18pt) WCAG AA × Fail

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 70.7332, 79.6883, 90.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

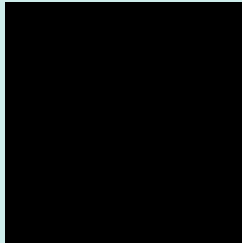
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

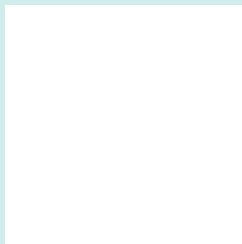
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7332, 79.6883, 90.2506

Background



This preview shows how black text looks on a background with the XYZ color 70.7332, 79.6883, 90.2506.

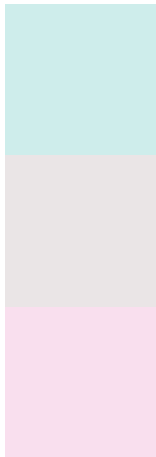


This preview shows how white text looks on a background with the XYZ color 70.7332, 79.6883,

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

70.7332, 79.6883, 90.2506

Protanopia

76.2339, 79.2442, 86.1406

Deuteranopia

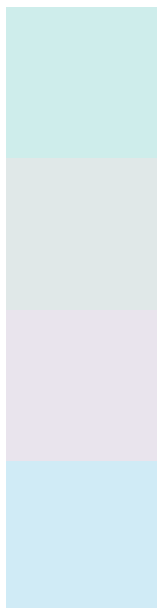
80.8872, 79.0881, 91.8912



Tritanopia

73.4469, 79.4928, 104.4011

Trichromacy



Original Color

70.7332, 79.6883, 90.2506

Protanomaly

74.1626, 79.3867, 87.7583

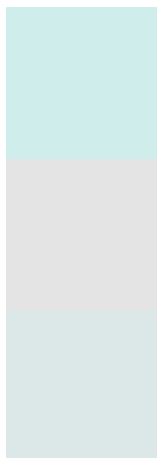
Deuteranomaly

76.6337, 78.9249, 91.3158

Tritanomaly

72.3553, 79.4804, 98.7165

Monochromacy



Original Color

70.7332, 79.6883, 90.2506

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.5149, 78.1370, 86.8613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7332, 79.6883, 90.2506 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(206, 237, 235)` looks like.

```
.text, #text, p{  
    color:rgb(206, 237, 235)  
}
```

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(206, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 237, 235) }
```

Border

The CSS property to change the border of an element to XYZ 70.7332, 79.6883, 90.2506 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(206, 237, 235) }
```


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

```
.border{ border-color:rgb(206, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 237, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 237, 235); box-shadow:4px 4px 4px 4px rgb(206, 237, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7332, 79.6883, 90.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 237, 235) }
```

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

```
.background{ background-color: rgb(206,  
237, 235) }
```

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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