

Converting Colors

XYZ(70.5262, 79.6119, 91.8865)

Have a look what the booklet for
XYZ(70.5262, 79.6119, 91.8865)
contains.

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Color

**XYZ(70.4721, 79.5202,
91.7554)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEDED
RGB	204, 237, 237
RGB Percent	80%, 93%, 93%
CMY	0.2000, 0.0706, 0.0706
CMYK	0.14, 0.00, 0.00, 0.07
HSL	180°, 48%, 86%
HSV	180°, 14%, 93%
XYZ	70.4721, 79.5202, 91.7554
YIQ	227.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

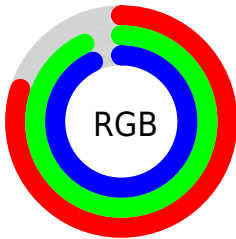
Format	Color
R_{YB}	204, 221, 237
Decimal	13430253
CIE Lab	91.47, -10.68, -3.62
CIE LCh	91, 11.279, 198.709
Yxy	79.5202, 0.2915, 0.3289
Android (android.graphics.Color)	4291620333 (0xFFCCCEED)
YUV	227.1330, 4.8644, -20.2876
Hunter-Lab	89.1741, -14.9905, 1.4156

Details

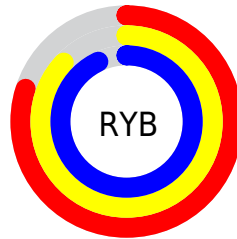
The XYZ color **70.4721, 79.5202, 91.7554** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4199, 65.5521, 66.2297**, and the grayscale version is **73.0883, 76.8946, 83.7382**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2588, 42.7735, 50.0084** is the 20% darker color. If you saturate the color by 10%, you get **64.4643, 76.4252, 91.4740**, and if you desaturate by 10%, it is **77.4730, 83.1314, 92.0866**.

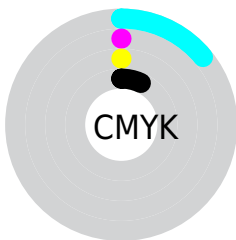
Distribution



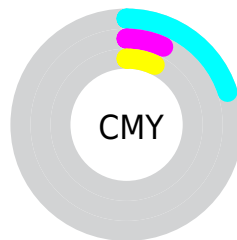
- Red (80%)
- Green (93%)
- Blue (93%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4721, 79.5202, 91.7554 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 70.4721, 79.5202, 91.7554 by changing the saturation by 10% instead.

70.4721, 79.5202,
91.7554

70.4721, 79.5202,
91.7554

451.4465,
493.3144, 554.4415

52.1925, 59.3236,
68.8556

118.9044,
132.6909, 151.7311

37.3834, 42.8737,
50.1231

149.7877,
166.4339, 189.6440

25.6795, 29.7860,
35.1393

185.6030,
205.4611, 233.3985

16.7155, 19.6762,
23.4858

226.7157,
250.1569, 283.4129

10.1259, 12.1599,
14.7440

273.4910,
300.9057, 340.1059

5.5454, 6.8527,
8.4953

326.2943,

2.6087, 3.3701,

358.0920, 403.8959

4.3212

385.4910,
422.1001, 475.2016

■ 0.9504, 1.3279,
1.8031

■ 0.0000, 0.1626,
0.4300

■ 70.4721, 79.5202,
91.7554

■ 70.4721, 79.5202,
91.7554

■ 64.4643, 76.4252,
91.4740

■ 77.4730, 83.1314,
92.0866

■ 59.3982, 73.8136,
91.2350


■ 85.5018, 87.2703,
92.4642


■ 55.2281, 71.6639,
91.0380


■ 86.8130, 87.9463,
92.5275


■ 51.9018, 69.9492,
90.8804


■ 86.8134, 87.9464,
92.5294


 49.3620, 68.6399,
90.7597


 86.8138, 87.9465,
92.5313


 47.5438, 67.7026,
90.6727


 86.8141, 87.9467,
92.5332


 46.3724, 67.0988,
90.6160

 86.8145, 87.9468,
92.5351

 45.7564, 66.7812,
90.5853

 86.8148, 87.9470,
92.5370

 45.5688, 66.6846,
90.5754

 86.8152, 87.9471,
92.5389

Harmonies

Analogous

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



70.2958, 79.5202, 83.5251



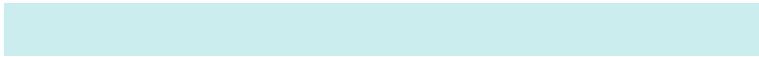
70.4721, 79.5202, 91.7554



71.9967, 79.5202, 99.0158

Triad

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



70.4721, 79.5202, 91.7554



79.8061, 79.5202, 97.4423



76.6676, 79.5202, 71.9858

Complementary

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



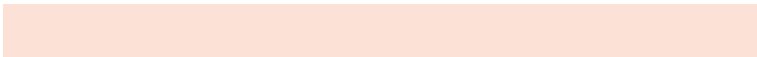
70.4721, 79.5202, 91.7554



67.4199, 65.5521, 66.2297

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.



79.2835, 79.5202, 75.2389



70.4721, 79.5202, 91.7554



81.1259, 79.5202, 89.7167

Square

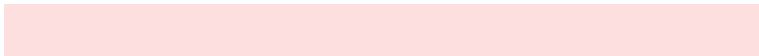
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4721, 79.5202, 91.7554



77.3663, 79.5202, 102.4398



80.9322, 79.5202, 81.6106



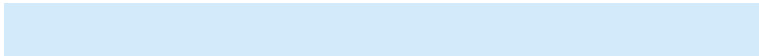
73.8245, 79.5202, 72.4550

Rectangle

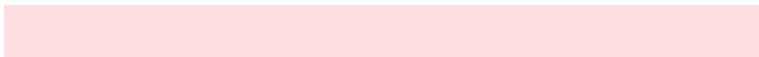
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



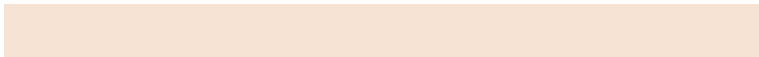
70.4721, 79.5202, 91.7554



73.5946, 79.5202, 102.1676



80.9322, 79.5202, 81.6106



77.6040, 79.5202, 72.6715

Sweetspot

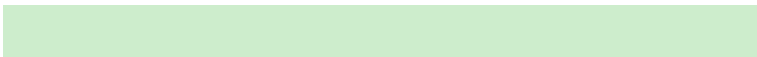
The Sweet Spot groups the original color and five complimentary colors.



70.4744, 79.5235, 91.7572



91.3963, 98.1165, 108.7281



66.2385, 77.8466, 68.6629



19.4202, 20.9276, 23.2656



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.



70.4744, 79.5235, 91.7572



80.8599, 92.6848, 108.2321



66.0599, 70.6937, 90.2882



15.5177, 17.1219, 19.4089



24.8777, 36.4056, 49.4486



1.9535, 2.8587, 3.8830

Inverse Universe

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



67.4199, 65.5521, 66.2297



76.5362, 72.9082, 72.0979



71.4071, 73.5272, 67.5567



15.0656, 15.0541, 15.6307



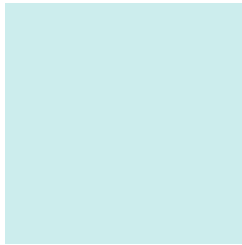
19.0679, 9.8298, 0.8929



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 70.4721, 79.5202, 91.7554 looks on a white background.

Color Contrast Check

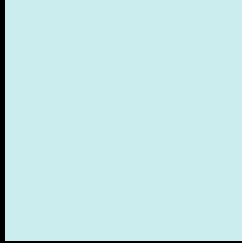
Large Text (above 18pt) WCAG AA × Fail

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 70.4721, 79.5202, 91.7554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

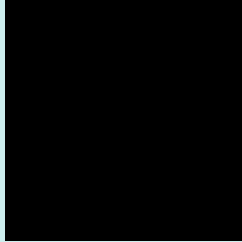
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4721, 79.5202, 91.7554

Background



This preview shows how black text looks on a background with the XYZ color 70.4721, 79.5202, 91.7554.



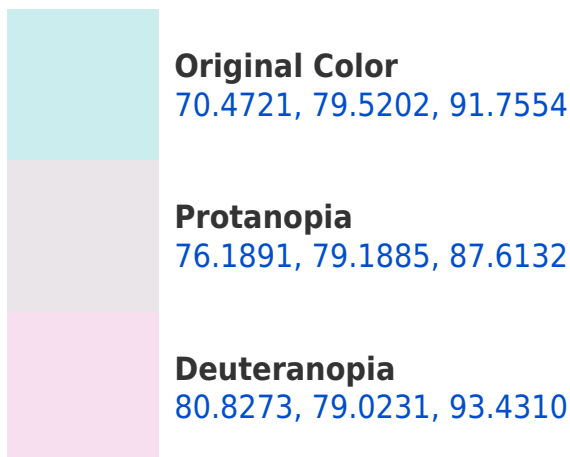
This preview shows how white text looks on a background with the XYZ color 70.4721, 79.5202,

91.7554.

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

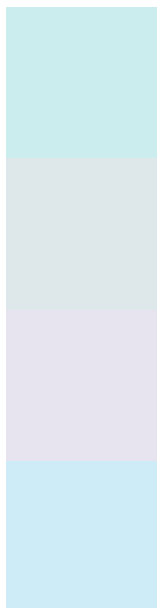




Tritanopia

73.1701, 79.7739, 104.4699

Trichromacy



Original Color

70.4721, 79.5202, 91.7554

Protanomaly

73.8321, 79.1833, 89.2344

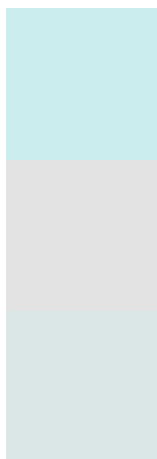
Deuteranomaly

76.6021, 78.8746, 92.8483

Tritanomaly

72.2376, 79.8281, 99.5967

Monochromacy



Original Color

70.4721, 79.5202, 91.7554

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.2131, 77.9814, 86.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4721, 79.5202, 91.7554 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(204, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(204, 237, 237)  
}
```

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(204, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 237, 237) }
```

Border

The CSS property to change the border of an element to XYZ 70.4721, 79.5202, 91.7554 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(204, 237, 237) }
```


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

```
.border{ border-color:rgb(204, 237, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(204, 237,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4721, 79.5202, 91.7554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 237, 237) }
```

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

```
.background{ background-color: rgb(204,  
237, 237) }
```

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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