

Converting Colors

XYZ(71.2717, 79.4527, 90.4562)

Have a look what the booklet for
XYZ(71.2717, 79.4527, 90.4562)
contains.

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Color

**XYZ(71.2853, 79.5444,
90.1937)**

Conversions

Conversions Part 1

Format	Color
Hex	D1ECEB
RGB	209, 236, 235
RGB Percent	82%, 93%, 92%
CMY	0.1804, 0.0745, 0.0784
CMYK	0.11, 0.00, 0.00, 0.07
HSL	178°, 42%, 87%
HSV	178°, 11%, 93%
XYZ	71.2853, 79.5444, 90.1937
YIQ	227.8130, -15.7710, -6.0350

Conversions

Conversions Part 2

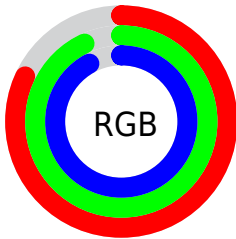
Format	Color
R _Y B	209, 223, 236
Decimal	13757675
CIE Lab	91.48, -9.00, -2.52
CIE LCh	91, 9.342, 195.656
Yxy	79.5444, 0.2958, 0.3300
Android (android.graphics.Color)	4291947755 (0xFFD1ECEB)
YUV	227.8130, 3.5432, -16.4990
Hunter-Lab	89.1877, -13.4082, 2.4726

Details

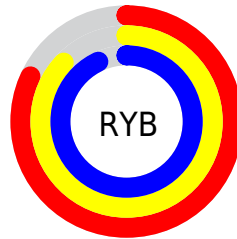
The XYZ color **71.2853, 79.5444, 90.1937** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0282, 68.0890, 70.4806**, and the grayscale version is **73.5912, 77.4237, 84.3144**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7844, 42.7672, 48.9113** is the 20% darker color. If you saturate the color by 10%, you get **64.9707, 76.3058, 89.2399**, and if you desaturate by 10%, it is **78.5942, 83.2998, 91.2006**.

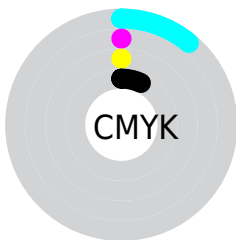
Distribution



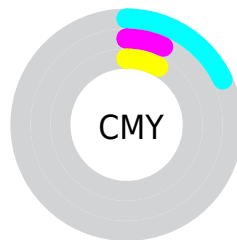
- Red (82%)
- Green (93%)
- Blue (92%)



- Red (82%)
- Yellow (87%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2853, 79.5444, 90.1937 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 71.2853, 79.5444, 90.1937 by changing the saturation by 10% instead.

71.2853, 79.5444,
90.1937

71.2853, 79.5444,
90.1937

454.2465,
493.3961, 549.2471

52.8584, 59.3435,
67.5667

120.0562,
132.7250, 149.5453

37.9168, 42.8897,
49.0808

151.1309,
166.4735, 187.1070

26.0950, 29.7986,
34.3175

187.1523,
205.5066, 230.4839

17.0278, 19.6858,
22.8583

228.4857,
250.2088, 280.0947

10.3497, 12.1668,
14.2846

275.4964,
300.9645, 336.3579

5.6955, 6.8574,
8.1779

328.5499,

2.6997, 3.3731,

358.1580, 399.6920

4.1196

388.0115,
422.1737, 470.5155

■ 0.9970, 1.3295,
1.6912

■ 0.0000, 0.1639,
0.3547

■ 71.2853, 79.5444,
90.1937

■ 71.2853, 79.5444,
90.1937

■ 64.9707, 76.3058,
89.2399

■ 78.5942, 83.2998,
91.2006

■ 59.6001, 73.5518,
88.3318

■ 86.4874, 87.3541,
92.2365

■ 55.1295, 71.2615,
87.4692

■ 86.6157, 87.4054,
92.9123

■ 51.5082, 69.4091,
86.6495

■ 86.7446, 87.4570,
93.5914

■ 48.6809, 67.9659,
85.8702

■ 86.8742, 87.5088,
94.2738

■ 46.5854, 66.8998,
85.1284

■ 87.0044, 87.5609,
94.9595

■ 45.1506, 66.1743,
84.4208

■ 87.1353, 87.6132,
95.6485

■ 44.2909, 65.7453,
83.7433

■ 87.2668, 87.6658,
96.3408

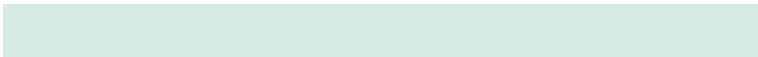
■ 43.8944, 65.5529,
83.1819

■ 87.3989, 87.7187,
97.0365

Harmonies

Analogous

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



71.2592, 79.5444, 83.4054



71.2853, 79.5444, 90.1937



72.4524, 79.5444, 96.3203

Triad

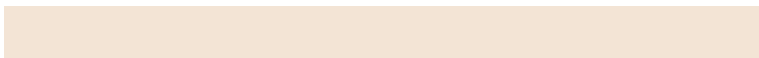
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2853, 79.5444, 90.1937



78.9231, 79.5444, 96.0928



76.7434, 79.5444, 74.5291

Complementary

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



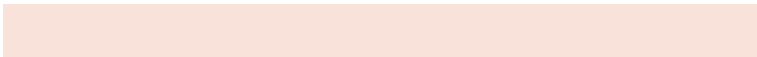
71.2853, 79.5444, 90.1937



69.0282, 68.0890, 70.4806

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.



78.8468, 79.5444, 77.5759



71.2853, 79.5444, 90.1937



80.1231, 79.5444, 89.8963

Square

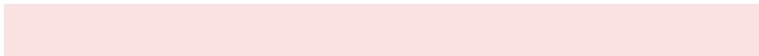
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2853, 79.5444, 90.1937



76.8456, 79.5444, 99.8459



80.0949, 79.5444, 83.1231



74.3769, 79.5444, 74.5993

Rectangle

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



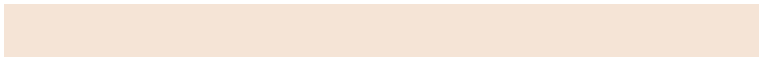
71.2853, 79.5444, 90.1937



73.7348, 79.5444, 99.1016



80.0949, 79.5444, 83.1231



77.5057, 79.5444, 75.2154

Sweetspot

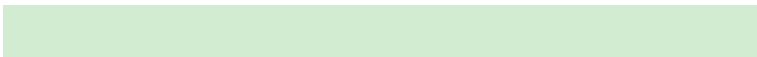
The Sweet Spot groups the original color and five complimentary colors.



71.2876, 79.5477, 90.1955



92.2456, 98.5596, 108.5300



68.1845, 78.3508, 71.8523



19.5879, 21.0155, 23.2089



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.



71.2876, 79.5477, 90.1955



82.9008, 93.7615, 107.2202



68.0524, 72.8447, 89.8345



15.4921, 17.1117, 19.2741



24.2054, 36.1366, 45.9080



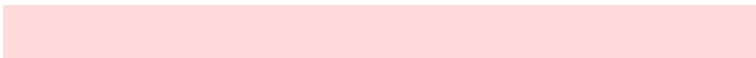
1.9083, 2.8406, 3.6448

Inverse Universe

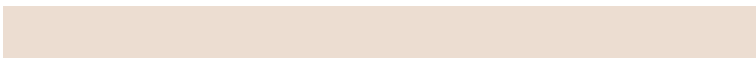
The Inverse Universe completely reimagines the original color for something new.



69.0282, 68.0890, 70.4806



79.6513, 77.2803, 78.8647



71.9996, 74.2312, 70.8560



15.0882, 15.0631, 15.7495



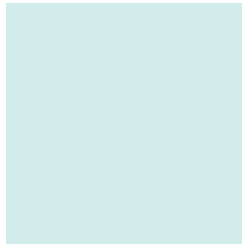
19.1046, 9.8445, 1.0865



1.5082, 0.7762, 0.1275

Previews

White Background



This preview shows how the XYZ color 71.2853, 79.5444, 90.1937 looks on a white background.

Color Contrast Check

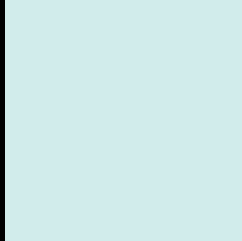
Large Text (above 18pt) WCAG AA × Fail

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 71.2853, 79.5444, 90.1937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

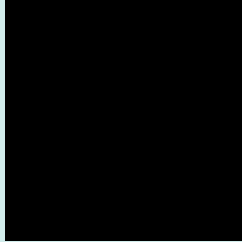
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

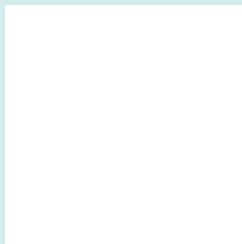
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2853, 79.5444, 90.1937

Background



This preview shows how black text looks on a background with the XYZ color 71.2853, 79.5444, 90.1937.

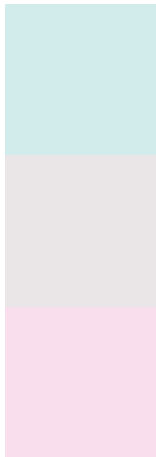


This preview shows how white text looks on a background with the XYZ color 71.2853, 79.5444,

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

71.2853, 79.5444, 90.1937

Protanopia

76.3748, 79.3006, 86.8825

Deuteranopia

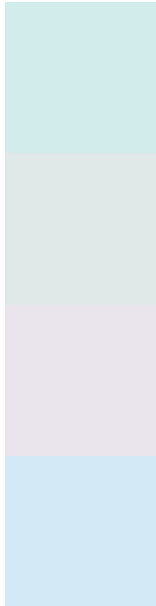
80.8872, 79.0881, 91.8912



Tritanopia

73.8610, 79.3032, 103.5096

Trichromacy



Original Color

71.2853, 79.5444, 90.1937

Protanomaly

74.4734, 79.5470, 87.7729

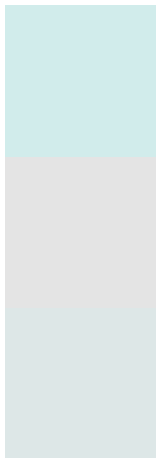
Deuteranomaly

76.9611, 79.0937, 91.3311

Tritanomaly

72.9213, 79.3483, 98.6612

Monochromacy



Original Color

71.2853, 79.5444, 90.1937

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.8185, 78.2935, 86.8755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2853, 79.5444, 90.1937 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(209, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 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(209, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 235) }
```

Border

The CSS property to change the border of an element to XYZ 71.2853, 79.5444, 90.1937 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(209, 236, 235) }
```


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

```
.border{ border-color:rgb(209, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2853, 79.5444, 90.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 235) }
```

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

```
.background{ background-color: rgb(209,  
236, 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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