

Converting Colors

XYZ(70.9744, 78.0123, 93.5228)

Have a look what the booklet for
XYZ(70.9744, 78.0123, 93.5228)
contains.

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Color

**XYZ(71.1616, 78.1244,
93.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E9F0
RGB	209, 233, 240
RGB Percent	82%, 91%, 94%
CMY	0.1804, 0.0863, 0.0588
CMYK	0.13, 0.03, 0.00, 0.06
HSL	194°, 51%, 88%
HSV	194°, 13%, 94%
XYZ	71.1616, 78.1244, 93.7670
YIQ	226.6220, -16.5510, -2.9110

Conversions

Conversions Part 2

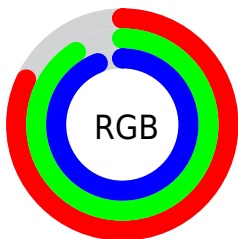
Format	Color
R _Y B	209, 223, 240
Decimal	13756912
CIE Lab	90.84, -6.49, -6.08
CIE LCh	91, 8.889, 223.147
Yxy	78.1244, 0.2928, 0.3214
Android (android.graphics.Color)	4291946992 (0xFFD1E9F0)
YUV	226.6220, 6.5954, -15.4545
Hunter-Lab	88.3880, -10.9678, -1.0266

Details

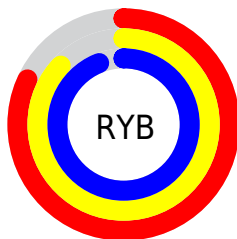
The XYZ color **71.1616, 78.1244, 93.7670** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0002, 72.2403, 70.4720**, and the grayscale version is **72.7033, 76.4895, 83.2971**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7003, 41.7750, 51.4238** is the 20% darker color. If you saturate the color by 10%, you get **63.3667, 71.8663, 92.9711**, and if you desaturate by 10%, it is **80.0310, 85.0104, 94.6299**.

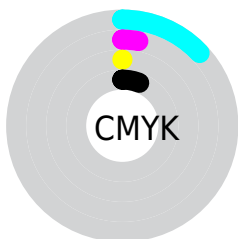
Distribution



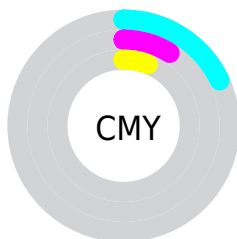
- Red (82%)
- Green (91%)
- Blue (94%)



- Red (82%)
- Yellow (87%)
- Blue (94%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (18%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1616, 78.1244, 93.7670 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 71.1616, 78.1244, 93.7670 by changing the saturation by 10% instead.

71.1616, 78.1244,
93.7670

71.1616, 78.1244,
93.7670

453.8212,
488.5892, 561.0933

52.7571, 58.1762,
70.5180

119.8811,
130.7255, 154.5409

37.8356, 41.9503,
51.4695

150.9267,
164.1471, 192.9029

26.0317, 29.0624,
36.2031

186.9168,
202.8287, 237.1397

16.9802, 19.1280,
24.3001

228.2167,
247.1546, 287.6697

10.3156, 11.7628,
15.3422

275.1917,
297.5092, 344.9115

5.6726, 6.5824,
8.9106

328.2072,

2.6858, 3.2023,

354.2769, 409.2837

4.5869

387.6286,
417.8421, 481.2048

■ 0.9899, 1.2383,
1.9525

■ 0.0000, 0.0926,
0.5258

■ 71.1616, 78.1244,
93.7670

■ 71.1616, 78.1244,
93.7670

■ 63.3667, 71.8663,
92.9711

■ 80.0310, 85.0104,
94.6299

■ 56.5935, 66.2022,
92.2348

■ 89.2706, 92.1557,
95.5221

■ 50.7948, 61.1090,
91.5574

■ 90.9232, 95.4609,
96.0730

■ 45.9169, 56.5586,
90.9362

■ 92.6240, 98.8626,
96.6399

■ 41.9006, 52.5196,
90.3682

■ 92.7284, 99.0714,
96.6747

■ 38.6796, 48.9575,
89.8504

■ 36.1775, 45.8319,
89.3790

■ 34.3016, 43.0946,
88.9495

■ 33.2521, 41.3387,
88.6659

Harmonies

Analogous

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



70.1458, 78.1244, 87.8961



71.1616, 78.1244, 93.7670



73.0152, 78.1244, 97.4029

Triad

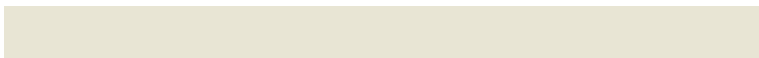
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1616, 78.1244, 93.7670



78.4467, 78.1244, 88.6846



73.2811, 78.1244, 73.6268

Complementary

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



71.1616, 78.1244, 93.7670



72.0002, 72.2403, 70.4720

Split Complementary

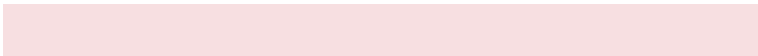
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5085, 78.1244, 73.8142



71.1616, 78.1244, 93.7670



78.5214, 78.1244, 82.2938

Square

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



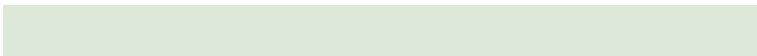
71.1616, 78.1244, 93.7670



77.2345, 78.1244, 94.3692



77.4366, 78.1244, 76.9173



71.3529, 78.1244, 76.3919

Rectangle

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



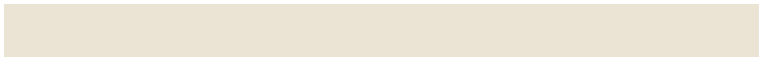
71.1616, 78.1244, 93.7670



74.4912, 78.1244, 97.9625



77.4366, 78.1244, 76.9173



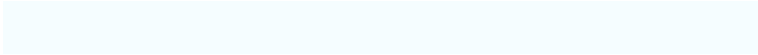
74.0191, 78.1244, 73.3509

Sweetspot

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



71.1639, 78.1277, 93.7687



90.6664, 96.6564, 108.4857



69.8140, 80.8201, 76.6955



19.2348, 20.5567, 23.2040



0.0000, 0.0000, 0.0000



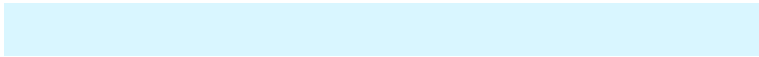
20.3446, 21.4041, 23.3091

Same Dimension

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



71.1639, 78.1277, 93.7687



79.6585, 88.0684, 107.4082



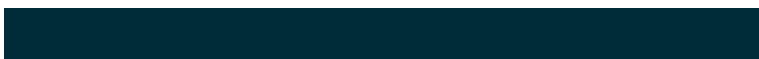
67.0393, 69.8786, 92.3939



15.9272, 17.2885, 20.2192



18.3068, 22.8379, 48.5712



1.5961, 2.0463, 4.0651

Inverse Universe

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



73.4454, 70.0111, 86.7370



82.6794, 77.4333, 98.0728



76.0817, 80.4033, 71.8325



16.2927, 15.9668, 19.0975



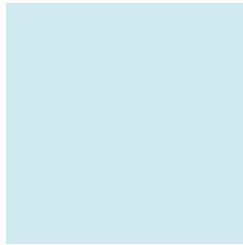
24.5661, 12.0989, 26.6952



2.0806, 1.0213, 2.4153

Previews

White Background



This preview shows how the XYZ color 71.1616, 78.1244, 93.7670 looks on a white background.

Color Contrast Check

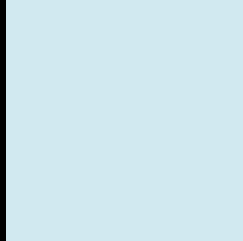
Large Text (above 18pt) WCAG AA × Fail

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 71.1616, 78.1244, 93.7670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

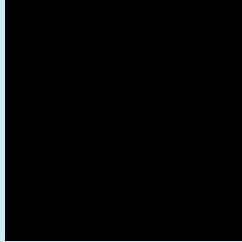
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.1616, 78.1244, 93.7670

Background



This preview shows how black text looks on a background with the XYZ color 71.1616, 78.1244, 93.7670.



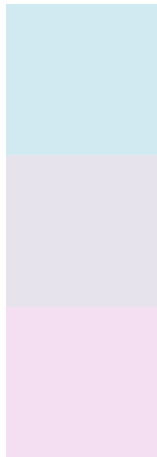
This preview shows how white text looks on a background with the XYZ color 71.1616, 78.1244,

93.7670.

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

71.1616, 78.1244, 93.7670

Protanopia

75.2425, 77.8173, 90.4114

Deuteranopia

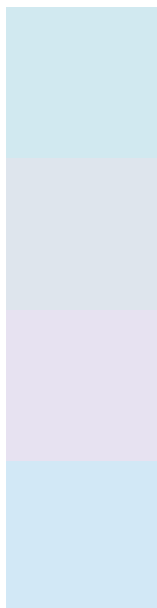
79.4565, 77.8865, 94.8502



Tritanopia

72.6952, 77.9028, 101.6478

Trichromacy



Original Color

71.1616, 78.1244, 93.7670

Protanomaly

73.4296, 77.6826, 91.2449

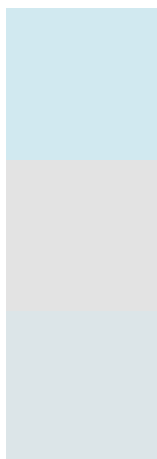
Deuteranomaly

76.0285, 77.7325, 94.2158

Tritanomaly

72.0695, 78.0687, 98.4591

Monochromacy



Original Color

71.1616, 78.1244, 93.7670

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1000, 77.0805, 87.4219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1616, 78.1244, 93.7670 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, 233, 240)` looks like.

```
.text, #text, p{  
    color:rgb(209, 233, 240)  
}
```

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, 233, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 233, 240) }
```

Border

The CSS property to change the border of an element to XYZ 71.1616, 78.1244, 93.7670 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, 233, 240) }
```


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

```
.border{ border-color:rgb(209, 233, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 233, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(209, 233,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1616, 78.1244, 93.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 233, 240) }
```

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

```
.background{ background-color: rgb(209,  
233, 240) }
```

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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