

Converting Colors

XYZ(76.0120, 84.8184, 96.3766)

Have a look what the booklet for
XYZ(76.0120, 84.8184, 96.3766)
contains.

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Color

**XYZ(76.1019, 84.9591,
96.3921)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F3F2
RGB	215, 243, 242
RGB Percent	84%, 95%, 95%
CMY	0.1569, 0.0470, 0.0510
CMYK	0.12, 0.00, 0.00, 0.05
HSL	178°, 54%, 90%
HSV	178°, 12%, 95%
XYZ	76.1019, 84.9591, 96.3921
YIQ	234.5140, -16.3670, -6.2470

Conversions

Conversions Part 2

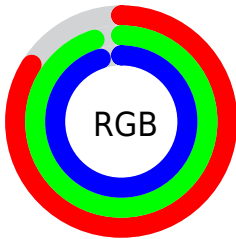
Format	Color
R _Y B	215, 229, 243
Decimal	14152690
CIE Lab	93.87, -9.27, -2.62
CIE LCh	94, 9.631, 195.763
Yxy	84.9591, 0.2956, 0.3300
Android (android.graphics.Color)	4292342770 (0xFFD7F3F2)
YUV	234.5140, 3.6906, -17.1138
Hunter-Lab	92.1733, -13.9265, 2.5175

Details

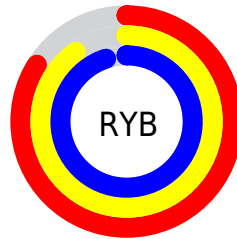
The XYZ color **76.1019, 84.9591, 96.3921** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.6603, 72.6156, 75.1035**, and the grayscale version is **78.5801, 82.6724, 90.0302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1305, 46.5594, 53.2734** is the 20% darker color. If you saturate the color by 10%, you get **69.3597, 81.5008, 95.3970**, and if you desaturate by 10%, it is **83.9094, 88.9712, 97.4439**.

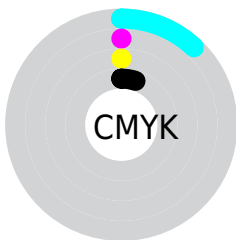
Distribution



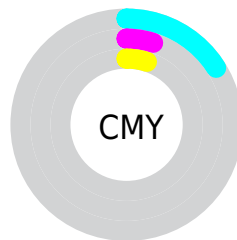
- Red (84%)
- Green (95%)
- Blue (95%)



- Red (84%)
- Yellow (90%)
- Blue (95%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (16%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1019, 84.9591, 96.3921 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 76.1019, 84.9591, 96.3921 by changing the saturation by 10% instead.

76.1019, 84.9591,
96.3921

76.1019, 84.9591,
96.3921

470.6355,
511.4927, 569.7099

56.8134, 63.8076,
72.6909

126.8505,
140.3160, 158.1985

41.0950, 46.4948,
53.2330

159.0414,
175.2902, 197.1408

28.5813, 32.6365,
37.5998

196.2637,
215.6408, 242.0006

18.9070, 21.8481,
25.3728

238.8829,
261.7521, 293.1963

11.7067, 13.7453,
16.1335

287.2644,
314.0086, 351.1466

6.6151, 7.9438,
9.4633

341.7734,

3.2667, 4.0590,

372.7946, 416.2699

4.9437

402.7753,
438.4945, 488.9848

■ 1.2963, 1.7066,
2.1561

■ 0.1805, 0.4279,
0.6489

■ 76.1019, 84.9591,
96.3921

■ 76.1019, 84.9591,
96.3921

■ 69.3597, 81.5008,
95.3970

■ 83.9094, 88.9712,
97.4439

■ 63.6290, 78.5615,
94.4507

■ 89.5824, 91.8805,
98.3972

■ 58.8622, 76.1190,
93.5528

■ 89.7148, 91.9335,
99.0945

■ 55.0050, 74.1455,
92.7006

■ 89.8479, 91.9867,
99.7951

■ 51.9978, 72.6100,
91.8915

■ 89.9816, 92.0401,
100.4991

■ 49.7738, 71.4782,
91.1223

■ 90.1159, 92.0939,
101.2063

■ 48.2564, 70.7106,
90.3894

■ 90.2508, 92.1478,
101.9168

■ 47.3532, 70.2596,
89.6884

■ 90.3863, 92.2021,
102.6306

■ 46.9460, 70.0619,
89.1135

■ 90.5225, 92.2565,
103.3478

Harmonies

Analogous

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



76.0693, 84.9591, 89.0792



76.1019, 84.9591, 96.3921



77.3626, 84.9591, 102.9876

Triad

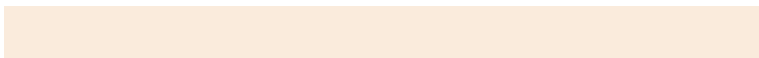
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1019, 84.9591, 96.3921



84.3325, 84.9591, 102.7025



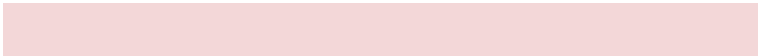
81.9688, 84.9591, 79.4928

Complementary

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



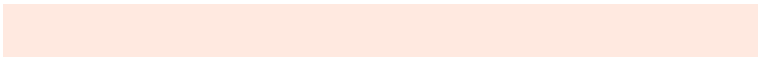
76.1019, 84.9591, 96.3921



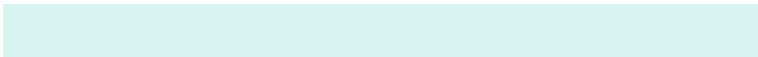
73.6603, 72.6156, 75.1035

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.



84.2370, 84.9591, 82.7609



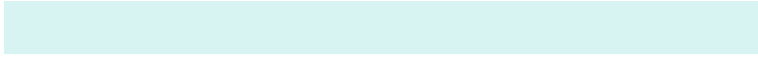
76.1019, 84.9591, 96.3921



85.6211, 84.9591, 96.0197

Square

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



76.1019, 84.9591, 96.3921



82.0968, 84.9591, 106.7602



85.5858, 84.9591, 88.7258



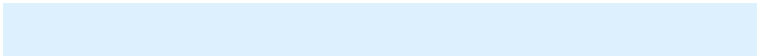
79.4201, 84.9591, 79.5807

Rectangle

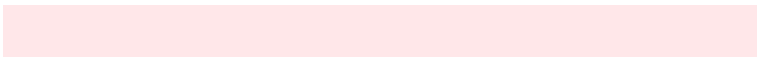
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



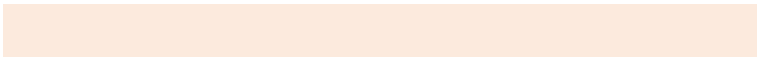
76.1019, 84.9591, 96.3921



78.7454, 84.9591, 105.9775



85.5858, 84.9591, 88.7258



82.7905, 84.9591, 80.2275

Sweetspot

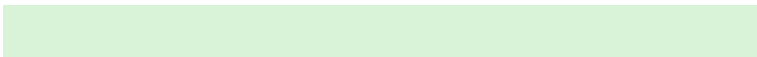
The Sweet Spot groups the original color and five complimentary colors.



76.1043, 84.9627, 96.3940



92.2472, 98.5602, 108.5386



72.7560, 83.6710, 76.6067



19.5884, 21.0156, 23.2112



0.0000, 0.0000, 0.0000



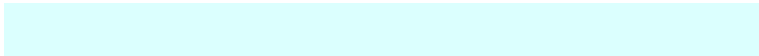
20.3446, 21.4041, 23.3091

Same Dimension

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



76.1043, 84.9627, 96.3940



82.9084, 93.7645, 107.2600



72.6127, 77.7374, 95.9760



16.9695, 18.7470, 21.1239



25.7756, 38.4551, 48.9657



2.2733, 3.3830, 4.3452

Inverse Universe

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



73.6603, 72.6156, 75.1035



79.6450, 77.2778, 78.8317



76.8644, 79.2309, 75.5331



16.5232, 16.4921, 17.2358



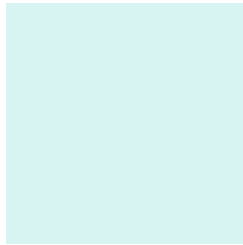
20.3227, 10.4725, 1.1419



1.7945, 0.9238, 0.1441

Previews

White Background



This preview shows how the XYZ color 76.1019, 84.9591, 96.3921 looks on a white background.

Color Contrast Check

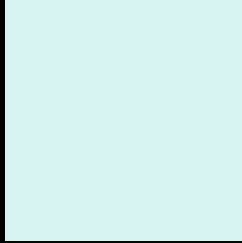
Large Text (above 18pt) WCAG AA × Fail

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 76.1019, 84.9591, 96.3921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

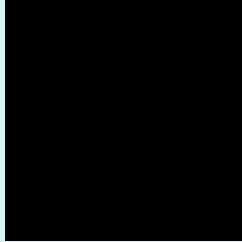
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

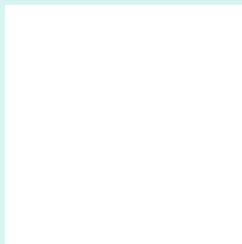
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1019, 84.9591, 96.3921

Background



This preview shows how black text looks on a background with the XYZ color 76.1019, 84.9591, 96.3921.



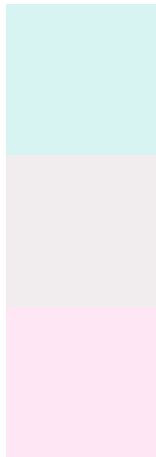
This preview shows how white text looks on a background with the XYZ color 76.1019, 84.9591,

96.3921.

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

76.1019, 84.9591, 96.3921

Protanopia

81.7037, 84.8647, 92.9632

Deuteranopia

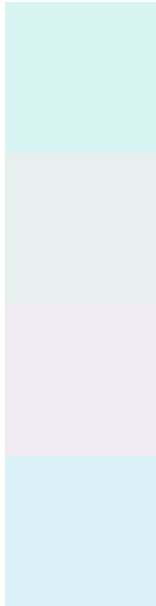
85.8659, 84.3853, 97.3503



Tritanopia

79.3343, 85.0698, 106.8465

Trichromacy



Original Color

76.1019, 84.9591, 96.3921

Protanomaly

79.7252, 85.1208, 93.8893

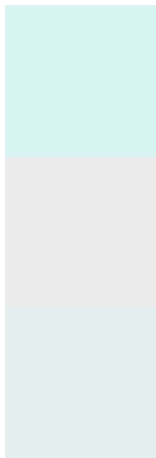
Deuteranomaly

81.8212, 84.4130, 96.7749

Tritanomaly

77.9240, 84.8728, 102.7175

Monochromacy



Original Color

76.1019, 84.9591, 96.3921

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.0021, 83.8161, 92.9559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1019, 84.9591, 96.3921 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(215, 243, 242) looks like.

```
.text, #text, p{  
    color:rgb(215, 243, 242)  
}
```

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(215, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 243, 242) }
```

Border

The CSS property to change the border of an element to XYZ 76.1019, 84.9591, 96.3921 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(215, 243, 242) }
```


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

```
.border{ border-color:rgb(215, 243, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 243, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(215, 243,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1019, 84.9591, 96.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 243, 242) }
```

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

```
.background{ background-color: rgb(215,  
243, 242) }
```

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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