

# Converting Colors

XYZ(76.1446, 84.1397, 96.1244)

Have a look what the booklet for  
XYZ(76.1446, 84.1397, 96.1244)  
contains.

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# Color

**XYZ(76.0976, 84.0731,  
96.2214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9F1F2
RGB	217, 241, 242
RGB Percent	85%, 95%, 95%
CMY	0.1490, 0.0549, 0.0510
CMYK	0.10, 0.00, 0.00, 0.05
HSL	182°, 49%, 90%
HSV	182°, 10%, 95%
XYZ	76.0976, 84.0731, 96.2214
YIQ	233.9380, -14.6250, -4.7770

# Conversions

## Conversions Part 2

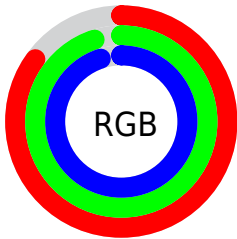
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	217, 229, 242
Decimal	14283250
CIE Lab	93.48, -7.63, -3.16
CIE LCh	93, 8.255, 202.532
Yxy	84.0731, 0.2968, 0.3279
Android (android.graphics.Color)	4292473330 (0xFFD9F1F2)
YUV	233.9380, 3.9746, -14.8546
Hunter-Lab	91.6914, -12.3171, 1.9647

# Details

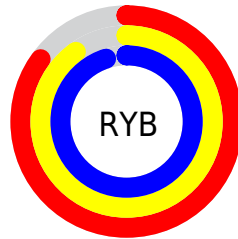
The XYZ color **76.0976, 84.0731, 96.2214** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2143, 74.0295, 76.0247**, and the grayscale version is **78.1406, 82.2100, 89.5267**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1122, 45.9245, 53.1518** is the 20% darker color. If you saturate the color by 10%, you get **69.1412, 80.0664, 95.8160**, and if you desaturate by 10%, it is **84.1152, 88.6336, 96.6804**.

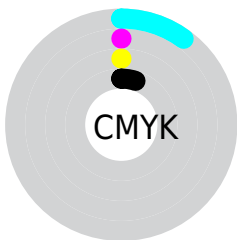
# Distribution



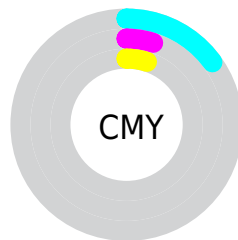
- Red (85%)
- Green (95%)
- Blue (95%)



- Red (85%)
- Yellow (90%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0976, 84.0731, 96.2214 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 76.0976, 84.0731, 96.2214 by changing the saturation by 10% instead.



76.0976, 84.0731,  
96.2214

76.0976, 84.0731,  
96.2214

470.6210,  
508.5560, 569.1517

56.8099, 63.0758,  
72.5495

126.8445,  
139.0774, 157.9610

41.0922, 45.9025,  
53.1181

159.0344,  
173.8532, 196.8658

28.5791, 32.1689,  
37.5087

196.2556,  
213.9907, 241.6852

18.9053, 21.4905,  
25.3027

238.8737,  
259.8741, 292.8379

11.7055, 13.4830,  
16.0817

287.2539,  
311.8880, 350.7423

6.6142, 7.7620,  
9.4270

341.7617,

3.2662, 3.9430,

370.4166, 415.8171

4.9201

402.7622,  
435.8445, 488.4807

■ 1.2961, 1.6418,  
2.1425

■ 0.1803, 0.3855,  
0.6409

■ 76.0976, 84.0731,  
96.2214

■ 76.0976, 84.0731,  
96.2214

■ 69.1412, 80.0664,  
95.8160

■ 84.1152, 88.6336,  
96.6804

■ 63.1929, 76.5794,  
95.4564

■ 89.2983, 91.7329,  
97.0055

■ 58.2061, 73.5903,  
95.1423

■ 89.5876, 92.3116,  
97.1019

■ 54.1276, 71.0717,  
94.8711

■ 89.8785, 92.8934,  
97.1989

■ 50.8991, 68.9935,  
94.6402

■ 90.1709, 93.4781,  
97.2963

■ 48.4555, 67.3221,  
94.4464

■ 90.4648, 94.0660,  
97.3943

■ 46.7222, 66.0192,  
94.2862

■ 90.7602, 94.6569,  
97.4928

■ 45.6104, 65.0388,  
94.1556

■ 91.0572, 95.2508,  
97.5918

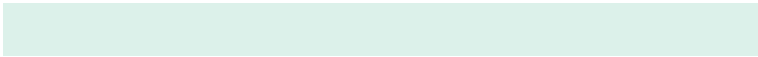
■ 44.9840, 64.3243,  
94.0507

■ 91.3557, 95.8478,  
97.6913

# Harmonies

## Analogous

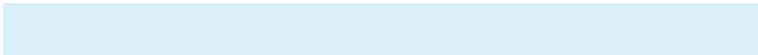
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8225, 84.0731, 89.9892



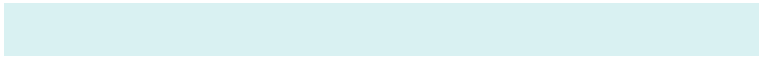
76.0976, 84.0731, 96.2214



77.3849, 84.0731, 101.4088

# Triad

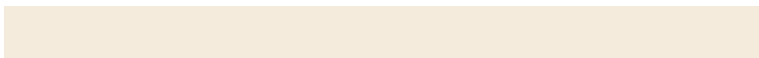
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0976, 84.0731, 96.2214



83.2840, 84.0731, 99.0436



80.4552, 84.0731, 80.1415

# Complementary

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



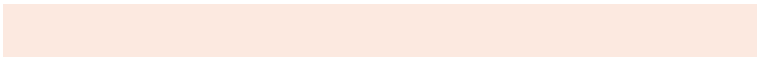
76.0976, 84.0731, 96.2214



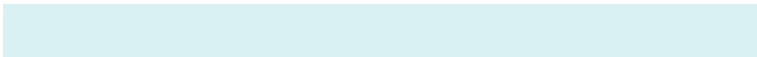
74.2143, 74.0295, 76.0247

# 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.



82.4873, 84.0731, 82.3356



76.0976, 84.0731, 96.2214



84.1397, 84.0731, 93.1112

# Square

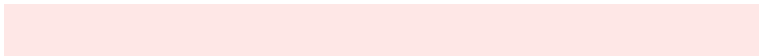
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0976, 84.0731, 96.2214



81.5268, 84.0731, 103.0892



83.8455, 84.0731, 87.0155



78.3126, 84.0731, 80.8897

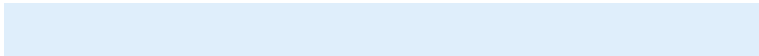


# Rectangle

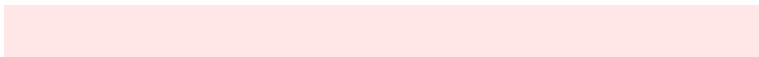
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0976, 84.0731, 96.2214



78.6567, 84.0731, 103.4827



83.8455, 84.0731, 87.0155



81.1744, 84.0731, 80.5559

# Sweetspot

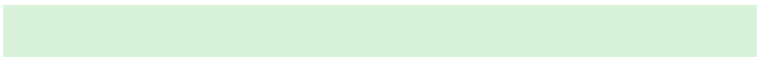
The Sweet Spot groups the original color and five complimentary colors.



76.1000, 84.0766, 96.2233



92.1941, 98.3834, 108.7385



73.0019, 83.3107, 78.4498



19.5740, 20.9677, 23.2655



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

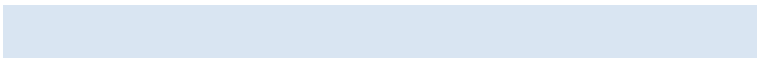
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1000, 84.0766, 96.2233



84.2867, 93.8755, 108.2851



72.5709, 77.0184, 95.0469



16.1902, 17.8145, 20.3068



24.1904, 34.6051, 50.5324



2.0291, 2.9122, 4.2094



# Inverse Universe

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



77.3099, 74.8555, 93.5971



85.8575, 81.9283, 104.8701



77.5334, 80.6678, 77.1311



16.4255, 16.0199, 19.7966



27.5358, 13.2868, 42.3337

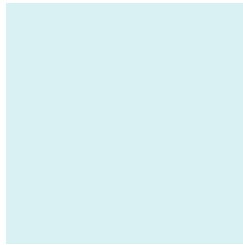


2.2991, 1.1087, 3.5661



# Previews

## White Background



This preview shows how the XYZ color 76.0976, 84.0731, 96.2214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

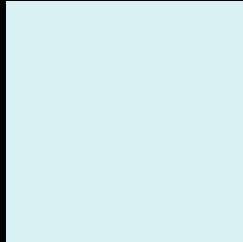
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0976, 84.0731, 96.2214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

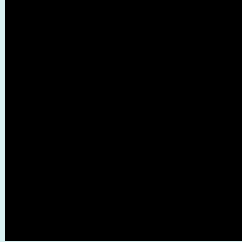
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

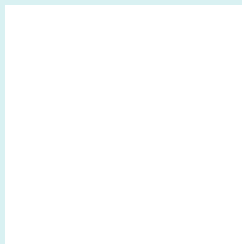
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.0976, 84.0731, 96.2214

## Background



This preview shows how black text looks on a background with the XYZ color 76.0976, 84.0731, 96.2214.



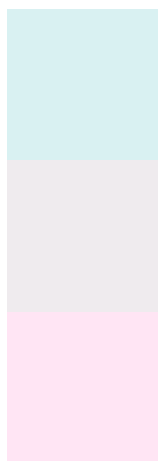
This preview shows how white text looks on a background with the XYZ color 76.0976, 84.0731,

96.2214.

# 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

76.0976, 84.0731, 96.2214

### Protanopia

80.7376, 83.9404, 92.8357

### Deuteranopia

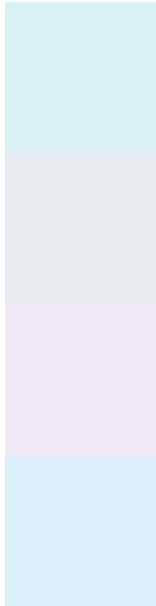
85.5884, 83.8303, 97.2578



## Tritanopia

78.7487, 83.8987, 106.6513

# Trichromacy



## Original Color

76.0976, 84.0731, 96.2214

## Protanomaly

78.8192, 83.7893, 93.6801

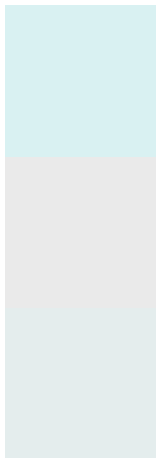
## Deuteranomaly

81.5922, 83.4497, 96.6010

## Tritanomaly

77.6370, 83.8508, 102.5354

# Monochromacy



## Original Color

76.0976, 84.0731, 96.2214

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.5652, 83.1768, 92.0874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0976, 84.0731, 96.2214 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(217, 241, 242)` looks like.

```
.text, #text, p{  
    color:rgb(217, 241, 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(217, 241, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 241, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0976, 84.0731, 96.2214 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(217, 241, 242) }
```



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

```
.border{ border-color:rgb(217, 241, 242) }
```

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

Here you see how a box with a 4 pixel rgb(217, 241, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 241, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 241, 242);  
box-shadow:4px 4px 4px 4px rgb(217, 241,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0976, 84.0731, 96.2214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 241, 242) }
```

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

```
.background{ background-color: rgb(217,  
241, 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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