

# Converting Colors

XYZ(75.1329, 82.1414,  
101.6219)

Have a look what the booklet for  
XYZ(75.1329, 82.1414, 101.6219)  
contains.

<b>XYZ(75.1140, 82.1348, 101.5172)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(75.1140, 82.1348,  
101.5172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5EEF9
RGB	213, 238, 249
RGB Percent	84%, 93%, 98%
CMY	0.1647, 0.0666, 0.0235
CMYK	0.14, 0.04, 0.00, 0.02
HSL	198°, 75%, 91%
HSV	198°, 14%, 98%
XYZ	75.1140, 82.1348, 101.5172
YIQ	231.7790, -18.4310, -1.8790

# Conversions

## Conversions Part 2

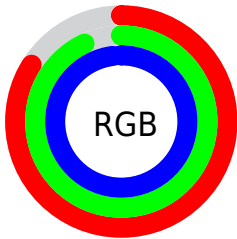
Format	Color
R <sub>Y</sub> B	213, 228, 249
Decimal	14020345
CIE Lab	92.63, -5.98, -8.08
CIE LCh	93, 10.055, 233.510
Yxy	82.1348, 0.2903, 0.3174
Android (android.graphics.Color)	4292210425 (0xFFD5EEF9)
YUV	231.7790, 8.4900, -16.4692
Hunter-Lab	90.6283, -10.6561, -2.9739

# Details

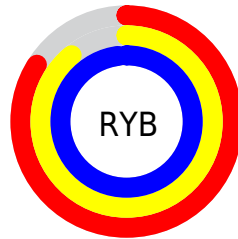
The XYZ color **75.1140, 82.1348, 101.5172** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.7333, 78.2549, 73.9600**, and the grayscale version is **76.4869, 80.4702, 87.6320**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4541, 44.5753, 56.9238** is the 20% darker color. If you saturate the color by 10%, you get **66.2714, 74.3600, 100.4839**, and if you desaturate by 10%, it is **85.1639, 90.6752, 102.6373**.

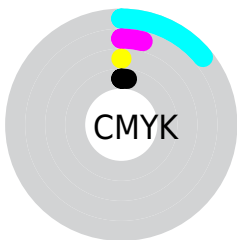
# Distribution



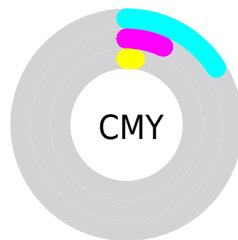
- Red (84%)
- Green (93%)
- Blue (98%)



- Red (84%)
- Yellow (89%)
- Blue (98%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1140, 82.1348, 101.5172 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 75.1140, 82.1348, 101.5172 by changing the saturation by 10% instead.



■ 75.1140, 82.1348,  
101.5172

■ 75.1140, 82.1348,  
101.5172

467.3005,  
502.0985, 586.3343

■ 56.0008, 61.4767,  
76.9443

125.4608,  
136.3630, 165.3106

■ 40.4406, 44.6100,  
56.6959

157.4250,  
170.7019, 205.3682

■ 28.0679, 31.1503,  
40.3534

194.4037,  
210.3698, 251.4245

■ 18.5176, 20.7133,  
27.4983

236.7621,  
255.7511, 303.8979

■ 11.4242, 12.9146,  
17.7121

284.8657,  
307.2302, 363.2070

■ 6.4223, 7.3698,  
10.5762

339.0796,

■ 3.1466, 3.6944,

365.1916, 429.7705

5.6720

399.7695,  
430.0195, 504.0067

■ 1.2318, 1.5041,  
2.5812

■ 0.1312, 0.2916,  
0.8827

■ 75.1140, 82.1348,  
101.5172

■ 75.1140, 82.1348,  
101.5172

■ 66.2714, 74.3600,  
100.4839

■ 85.1639, 90.6752,  
102.6373

■ 58.5772, 67.3124,  
99.5291

■ 93.5330, 98.4875,  
103.7041

■ 51.9785, 60.9649,  
98.6517

■ 94.0991, 99.6197,  
103.8928

■ 46.4148, 55.2847,  
97.8485

■ 41.8197, 50.2358,  
97.1162

■ 38.1184, 45.7778,  
96.4508

■ 35.2239, 41.8639,  
95.8479

■ 33.0303, 38.4377,  
95.3022

■ 32.0314, 36.7042,  
95.0202

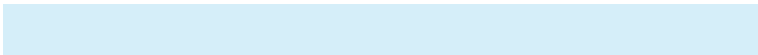
# Harmonies

## Analogous

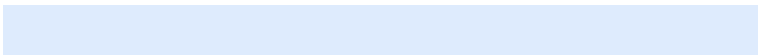
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5453, 82.1348, 95.3003



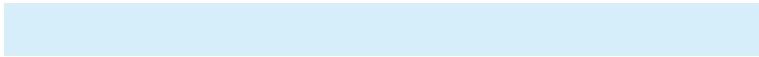
75.1140, 82.1348, 101.5172



77.4996, 82.1348, 104.5184

# Triad

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



75.1140, 82.1348, 101.5172



83.1709, 82.1348, 91.0686



76.0776, 82.1348, 76.8630

# Complementary

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



75.1140, 82.1348, 101.5172



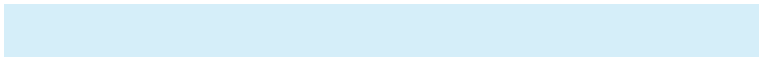
77.7333, 78.2549, 73.9600

# Split Complementary

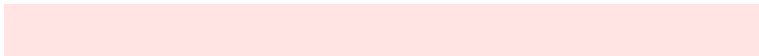
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6365, 82.1348, 75.8700



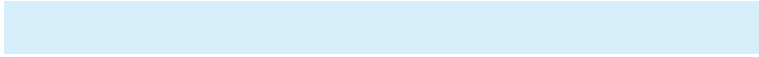
75.1140, 82.1348, 101.5172



82.7697, 82.1348, 83.8075

# Square

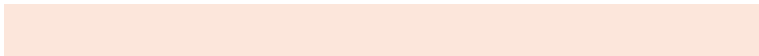
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1140, 82.1348, 101.5172



82.1801, 82.1348, 98.2723



81.0957, 82.1348, 78.3440



74.0929, 82.1348, 81.1362



# Rectangle

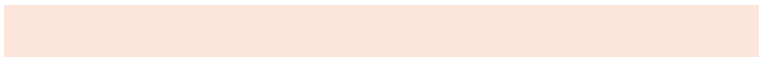
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1140, 82.1348, 101.5172



79.2475, 82.1348, 104.1789



81.0957, 82.1348, 78.3440



76.8977, 82.1348, 76.1448

# Sweetspot

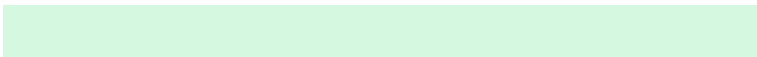
The Sweet Spot groups the original color and five complimentary colors.



75.1164, 82.1382, 101.5190



90.4105, 96.1447, 108.4004



74.7451, 87.2699, 83.2856



19.1699, 20.4269, 23.1824



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

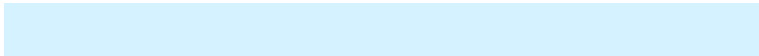


# Same Dimension

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



75.1164, 82.1382, 101.5190



76.7808, 84.5255, 106.8760



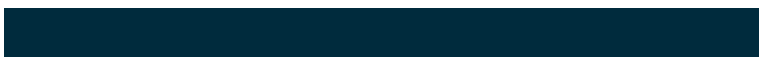
70.1867, 72.2787, 99.8758



17.2922, 18.6612, 22.0759



17.2770, 19.9096, 50.9059



1.6937, 2.0311, 4.7460



# Inverse Universe

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



78.2957, 73.9030, 91.0310



80.6868, 74.5684, 93.9546



82.7712, 88.3305, 75.6393



17.7540, 17.4290, 20.5604



25.0127, 12.4208, 22.5729

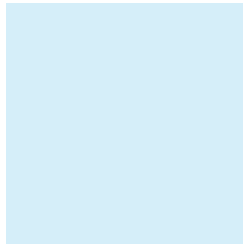


2.3638, 1.1693, 2.3393



# Previews

## White Background



This preview shows how the XYZ color 75.1140, 82.1348, 101.5172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

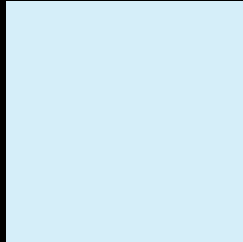
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1140, 82.1348, 101.5172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

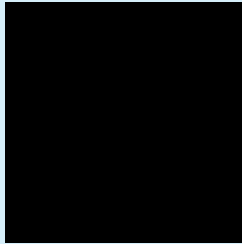
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.1140, 82.1348, 101.5172

## Background



This preview shows how black text looks on a background with the XYZ color 75.1140, 82.1348, 101.5172.



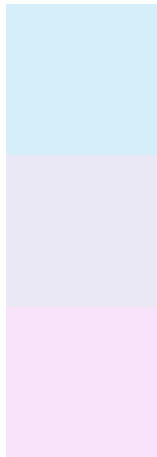
This preview shows how white text looks on a background with the XYZ color 75.1140, 82.1348,



# 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

75.1140, 82.1348, 101.5172

### Protanopia

79.2697, 81.7982, 97.9969

### Deuteranopia

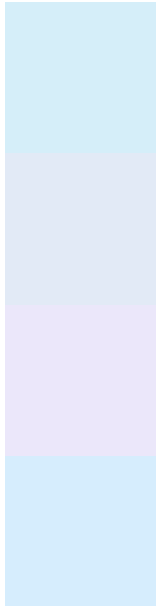
83.5931, 81.8597, 102.6615



## Tritanopia

76.3585, 82.2354, 106.4562

# Trichromacy



## Original Color

75.1140, 82.1348, 101.5172

## Protanomaly

77.4214, 81.6682, 98.8718

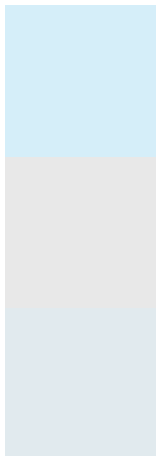
## Deuteranomaly

80.0922, 81.7161, 101.9940

## Tritanomaly

75.7454, 81.9564, 104.7555

# Monochromacy



## Original Color

75.1140, 82.1348, 101.5172

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.9068, 81.0262, 92.5278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1140, 82.1348, 101.5172 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(213, 238, 249)` looks like.

```
.text, #text, p{  
    color:rgb(213, 238, 249)  
}
```

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(213, 238, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 238, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1140, 82.1348, 101.5172 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(213, 238, 249) }
```



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

```
.border{ border-color:rgb(213, 238, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 238, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 238, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 238, 249);  
box-shadow:4px 4px 4px 4px rgb(213, 238,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1140, 82.1348, 101.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 238, 249) }
```

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

```
.background{ background-color: rgb(213,  
238, 249) }
```

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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