

# Converting Colors

XYZ(86.1713, 83.7681,  
172.3534)

Have a look what the booklet for  
XYZ(86.1713, 83.7681, 172.3534)  
contains.

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# Color

**XYZ(73.4850, 78.6349,  
105.9127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2E8FF
RGB	210, 232, 255
RGB Percent	82%, 91%, 100%
CMY	0.1765, 0.0902, 0.0000
CMYK	0.18, 0.09, 0.00, 0.00
HSL	211°, 100%, 91%
HSV	211°, 18%, 100%
XYZ	73.4850, 78.6349, 105.9127
YIQ	228.0440, -20.4950, 2.4890

# Conversions

## Conversions Part 2

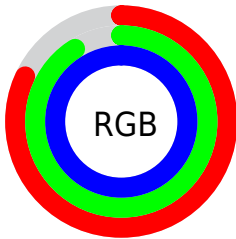
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 225, 255
Decimal	13822207
CIE Lab	91.07, -2.60, -13.56
CIE LCh	91, 13.810, 259.157
Yxy	78.6349, 0.2848, 0.3047
Android (android.graphics.Color)	4292012287 (0xFFD2E8FF)
YUV	228.0440, 13.2893, -15.8246
Hunter-Lab	88.6763, -7.2628, -8.7410

# Details

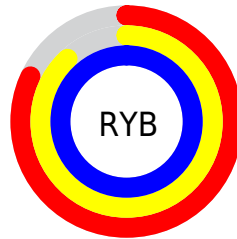
The XYZ color **73.4850, 78.6349, 105.9127** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0115, 84.1899, 72.9023**, and the grayscale version is **73.6934, 77.5312, 84.4315**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2359, 42.0964, 59.4836** is the 20% darker color. If you saturate the color by 10%, you get **63.2624, 68.1218, 104.4223**, and if you desaturate by 10%, it is **85.1406, 90.2946, 107.5490**.

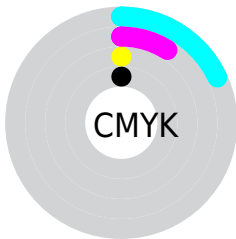
# Distribution



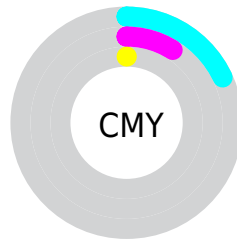
- Red (82%)
- Green (91%)
- Blue (100%)



- Red (82%)
- Yellow (88%)
- Blue (100%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.4850, 78.6349, 105.9127 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 73.4850, 78.6349, 105.9127 by changing the saturation by 10% instead.



73.4850, 78.6349,  
105.9127

73.4850, 78.6349,  
105.9127

461.7718,  
490.3204, 600.3954

54.6624, 58.5957,  
80.6033

123.1649,  
131.4447, 171.3816

39.3643, 42.2877,  
59.6858

154.7530,  
164.9842, 212.3782

27.2252, 29.3267,  
42.7418

191.3269,  
203.7924, 259.4409

17.8799, 19.3281,  
29.3527

233.2520,  
248.2539, 312.9883

10.9630, 11.9076,  
19.0999

280.8937,  
298.7531, 373.4389

6.1090, 6.6808,  
11.5650

334.6173,

2.9528, 3.2633,

355.6743, 441.2112

6.3293

394.7883,  
419.4019, 516.7239

■ 1.1288, 1.2707,  
2.9743

■ 0.0490, 0.1183,  
1.0815

■ 73.4850, 78.6349,  
105.9127

■ 73.4850, 78.6349,  
105.9127

■ 63.2624, 68.1218,  
104.4223

■ 85.1406, 90.2946,  
107.5490

■ 54.4060, 58.7060,  
103.0716

95.0500, 100.0000,  
108.9000

■ 46.8527, 50.3481,  
101.8565

■ 40.5316, 43.0022,  
100.7718

■ 35.3645, 36.6183,  
99.8119

■ 31.2629, 31.1408,  
98.9708

■ 28.1236, 26.5058,  
98.2416

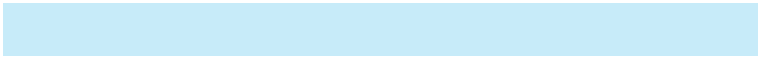
■ 25.8123, 22.6331,  
97.6159

■ 25.3440, 21.8080,  
97.4813

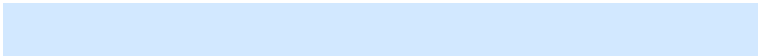
# Harmonies

## Analogous

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



70.4375, 78.6349, 100.9945



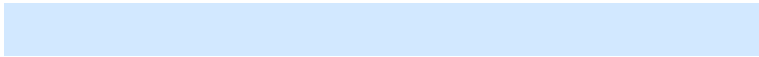
73.4850, 78.6349, 105.9127



76.9635, 78.6349, 105.0841

# Triad

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



73.4850, 78.6349, 105.9127



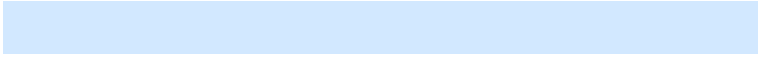
81.2588, 78.6349, 79.4681



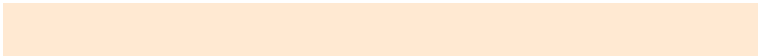
69.7785, 78.6349, 73.6582

# Complementary

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



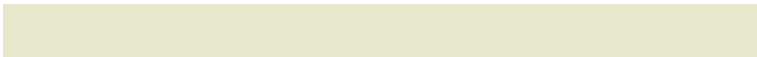
73.4850, 78.6349, 105.9127



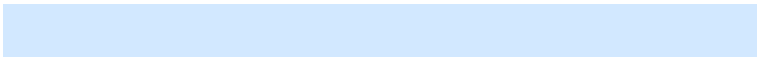
82.0115, 84.1899, 72.9023

# 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.



72.5600, 78.6349, 68.7213



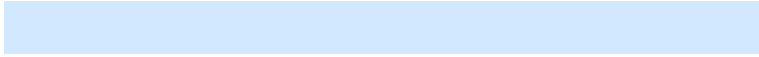
73.4850, 78.6349, 105.9127



79.2144, 78.6349, 71.8909

# Square

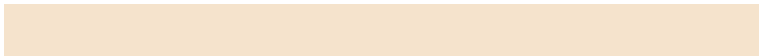
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.4850, 78.6349, 105.9127



81.5253, 78.6349, 89.2860



76.0094, 78.6349, 68.1005

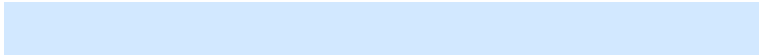


68.3423, 78.6349, 82.0558



# Rectangle

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



73.4850, 78.6349, 105.9127



79.0573, 78.6349, 101.4010



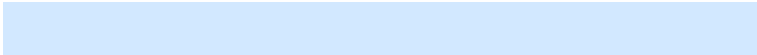
76.0094, 78.6349, 68.1005



70.5831, 78.6349, 71.5677

# Sweetspot

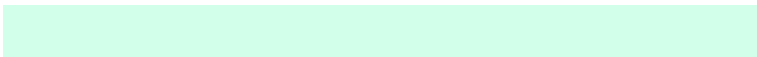
The Sweet Spot groups the original color and five complimentary colors.



73.4871, 78.6380, 105.9132



88.4703, 93.5745, 108.0065



76.9759, 91.0768, 90.2404



18.7448, 19.8406, 23.0916



0.0000, 0.0000, 0.0000

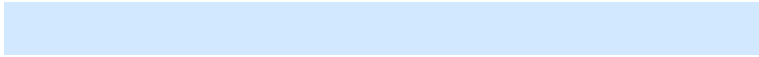


20.3446, 21.4041, 23.3091

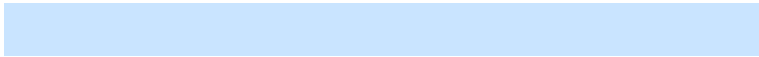


# Same Dimension

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



73.4871, 78.6380, 105.9132



69.9014, 74.9857, 105.3972



67.6764, 67.0166, 103.9763



17.7363, 18.8442, 22.9524



13.3912, 11.6920, 50.9856



1.4128, 1.3563, 5.0006



# Inverse Universe

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



78.8535, 73.1810, 86.3169



76.1846, 68.8245, 82.4019



88.6332, 97.4333, 75.1096



18.3795, 18.1351, 20.6158



23.5475, 11.9083, 11.5334

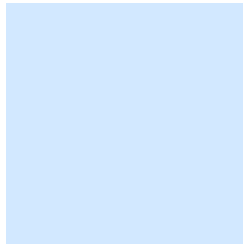


2.3477, 1.1815, 1.4125



# Previews

## White Background



This preview shows how the XYZ color 73.4850, 78.6349, 105.9127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

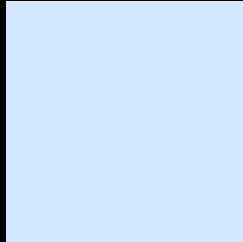
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.4850, 78.6349, 105.9127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

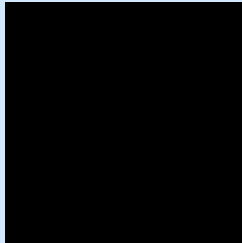
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

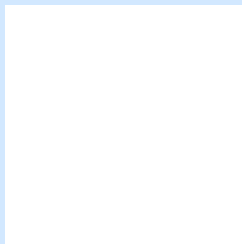
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.4850, 78.6349, 105.9127**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.4850, 78.6349, 105.9127.



This preview shows how white text looks on a background with the XYZ color 73.4850, 78.6349,



# 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

73.4850, 78.6349, 105.9127

### Protanopia

76.4038, 78.1352, 103.1501

### Deuteranopia

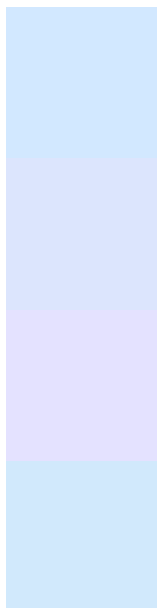
79.6976, 78.1725, 105.4960



## Tritanopia

72.8460, 78.7982, 102.6370

# Trichromacy



## Original Color

73.4850, 78.6349, 105.9127

## Protanomaly

75.2641, 78.3461, 104.0840

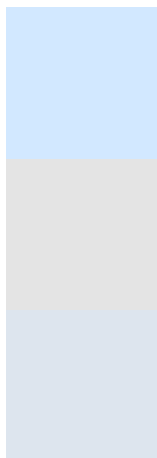
## Deuteranomaly

77.2413, 78.1067, 105.6128

## Tritanomaly

73.0041, 78.8614, 103.4695

# Monochromacy



## Original Color

73.4850, 78.6349, 105.9127

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.2707, 77.5838, 92.0023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.4850, 78.6349, 105.9127 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(210, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 232, 255)  
}
```

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(210, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.4850, 78.6349, 105.9127 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(210, 232, 255) }
```



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

```
.border{ border-color:rgb(210, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.4850, 78.6349, 105.9127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 232, 255) }
```

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

```
.background{ background-color: rgb(210,  
232, 255) }
```

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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