

# Converting Colors

XYZ(83.1240, 80.8491,  
161.7948)

Have a look what the booklet for  
XYZ(83.1240, 80.8491, 161.7948)  
contains.

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# **Color**

**XYZ(72.3717, 76.4084,  
105.5416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2E4FF
RGB	210, 228, 255
RGB Percent	82%, 89%, 100%
CMY	0.1765, 0.1059, 0.0000
CMYK	0.18, 0.11, 0.00, 0.00
HSL	216°, 100%, 91%
HSV	216°, 18%, 100%
XYZ	72.3717, 76.4084, 105.5416
YIQ	225.6960, -19.3950, 4.5810

# Conversions

## Conversions Part 2

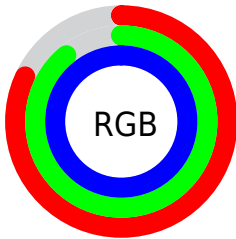
Format	Color
R <sub>Y</sub> B	210, 223, 255
Decimal	13821183
CIE Lab	90.05, -0.53, -15.09
CIE LCh	90, 15.100, 267.990
Yxy	76.4084, 0.2846, 0.3004
Android (android.graphics.Color)	4292011263 (0xFFD2E4FF)
YUV	225.6960, 14.4469, -13.7654
Hunter-Lab	87.4119, -5.1838, -10.3987

# Details

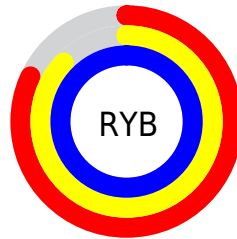
The XYZ color **72.3717, 76.4084, 105.5416** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.1567, 86.4803, 73.2839**, and the grayscale version is **71.9800, 75.7286, 82.4684**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6542, 40.9329, 59.2896** is the 20% darker color. If you saturate the color by 10%, you get **61.6583, 64.9136, 103.8876**, and if you desaturate by 10%, it is **84.6184, 89.2505, 107.3749**.

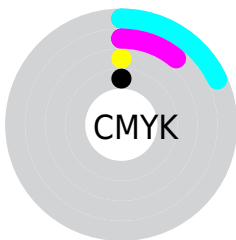
# Distribution



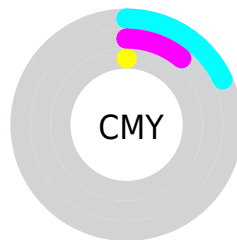
- Red (82%)
- Green (89%)
- Blue (100%)



- Red (82%)
- Yellow (87%)
- Blue (100%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3717, 76.4084, 105.5416 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 72.3717, 76.4084, 105.5416 by changing the saturation by 10% instead.



■ 72.3717, 76.4084,  
105.5416

■ 72.3717, 76.4084,  
105.5416

457.9719,  
482.7446, 599.2149

■ 53.7489, 56.7675,  
80.2940

121.5928,  
128.3040, 170.8700

■ 38.6308, 40.8186,  
59.4327

152.9218,  
161.3275, 211.7879

■ 26.6521, 28.1773,  
42.5392

189.2169,  
199.5806, 258.7664

■ 17.4473, 18.4594,  
29.1950

230.8436,  
243.4478, 312.2238

■ 10.6512, 11.2803,  
18.9816

278.1670,  
293.3134, 372.5789

■ 5.8984, 6.2557,  
11.4803

331.5526,

■ 2.8235, 3.0012,

349.5618, 440.2500

6.2726

391.3658,  
412.5774, 515.6559

■ 1.0611, 1.1323,  
2.9401

■ 0.0000, 0.0054,  
1.0641

■ 72.3717, 76.4084,  
105.5416

■ 72.3717, 76.4084,  
105.5416

■ 61.6583, 64.9136,  
103.8876

■ 84.6184, 89.2505,  
107.3749

■ 52.4077, 54.7095,  
102.4055

95.0500, 100.0000,  
108.9000

■ 44.5530, 45.7487,  
101.0899

■ 38.0190, 37.9770,  
99.9342

■ 32.7231, 31.3355,  
98.9314

■ 28.5721, 25.7592,  
98.0738

■ 25.4577, 21.1740,  
97.3530

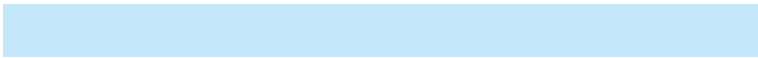
■ 23.2401, 17.4886,  
96.7585

■ 22.8032, 16.7264,  
96.6344

# Harmonies

## Analogous

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



68.8754, 76.4084, 101.9259



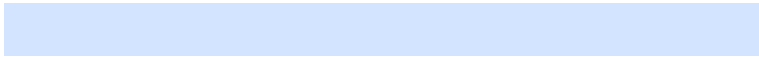
72.3717, 76.4084, 105.5416



76.0542, 76.4084, 102.7561

# Triad

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



72.3717, 76.4084, 105.5416



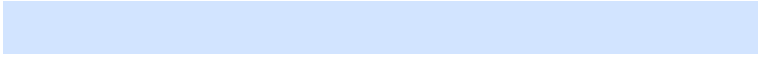
79.1663, 76.4084, 73.8925



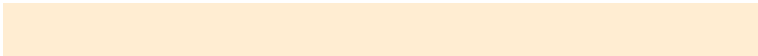
66.6905, 76.4084, 72.7413

# Complementary

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



72.3717, 76.4084, 105.5416



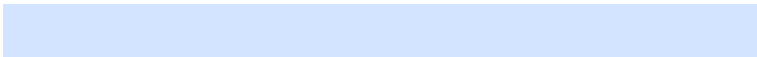
83.1567, 86.4803, 73.2839

# 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.



69.2984, 76.4084, 66.2900



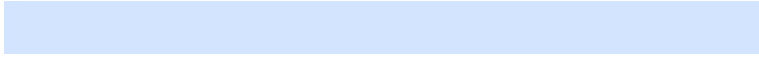
72.3717, 76.4084, 105.5416



76.5060, 76.4084, 66.9134

# Square

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



72.3717, 76.4084, 105.5416



80.0565, 76.4084, 83.9210



72.8767, 76.4084, 64.2501

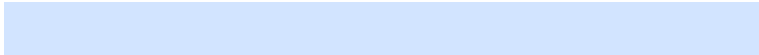


65.6662, 76.4084, 82.4748



# Rectangle

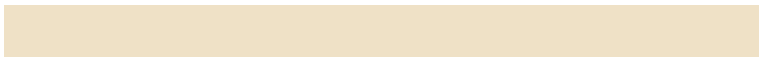
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3717, 76.4084, 105.5416



78.1038, 76.4084, 97.7669



72.8767, 76.4084, 64.2501



67.4065, 76.4084, 70.1494

# Sweetspot

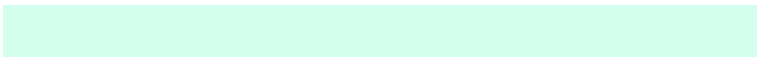
The Sweet Spot groups the original color and five complimentary colors.



72.3738, 76.4115, 105.5421



88.1220, 92.8779, 107.8904



77.5159, 91.2927, 93.0840



18.6603, 19.6715, 23.0634



0.0000, 0.0000, 0.0000

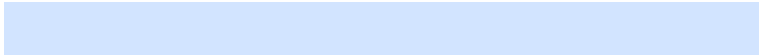


20.3446, 21.4041, 23.3091

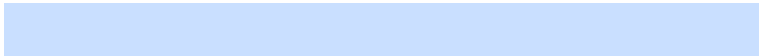


# Same Dimension

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



72.3738, 76.4115, 105.5421



68.6126, 72.4080, 104.9676



68.7565, 67.5733, 104.0268



17.5994, 18.5704, 22.9068



12.0515, 9.0126, 50.5390



1.2768, 1.0844, 4.9553



# Inverse Universe

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



78.2915, 72.9561, 83.3578



75.5340, 68.5643, 78.9761



87.2670, 96.7290, 75.0455



18.3104, 18.1075, 20.2519



22.8712, 11.6378, 7.9724

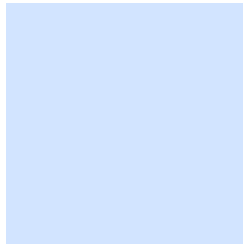


2.2791, 1.1540, 1.0511



# Previews

## White Background



This preview shows how the XYZ color 72.3717, 76.4084, 105.5416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

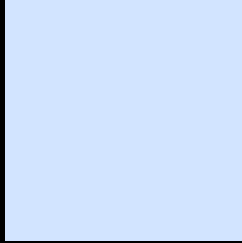
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3717, 76.4084, 105.5416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

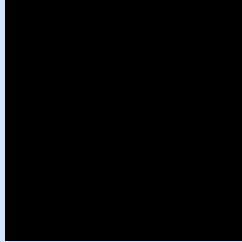
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

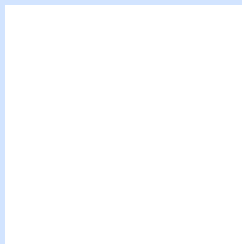
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.3717, 76.4084, 105.5416

## Background



This preview shows how black text looks on a background with the XYZ color 72.3717, 76.4084, 105.5416.



This preview shows how white text looks on a background with the XYZ color 72.3717, 76.4084,



# 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

72.3717, 76.4084, 105.5416

### Protanopia

74.7790, 76.4719, 103.7478

### Deuteranopia

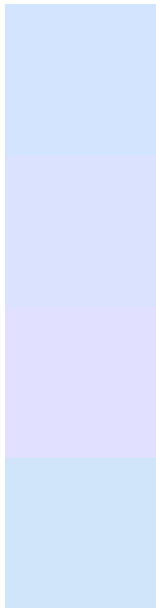
77.8381, 76.4253, 105.2568



## Tritanopia

71.1023, 76.3093, 98.9774

# Trichromacy



## Original Color

72.3717, 76.4084, 105.5416

## Protanomaly

73.9992, 76.4539, 104.6228

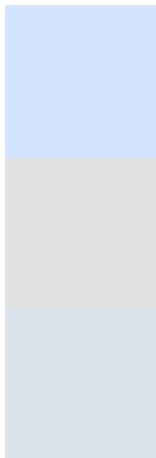
## Deuteranomaly

75.7570, 76.5389, 105.3884

## Tritanomaly

71.5691, 76.4961, 101.4356

# Monochromacy



## Original Color

72.3717, 76.4084, 105.5416

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.2703, 76.2682, 91.0330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3717, 76.4084, 105.5416 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3717, 76.4084, 105.5416 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".

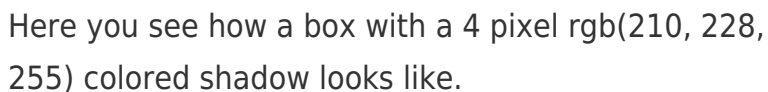
```
.border, #border, table{ border:4px solid rgb(210, 228, 255) }
```



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

```
.border{ border-color:rgb(210, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3717, 76.4084, 105.5416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 255) }
```

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

```
.background{ background-color: rgb(210,  
228, 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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