

Converting Colors

XYZ(82.7710, 80.0718,
165.1418)

Have a look what the booklet for
XYZ(82.7710, 80.0718, 165.1418)
contains.

XYZ(71.5315, 75.5681, 105.4237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.5315, 75.5681,
105.4237)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E3FF
RGB	208, 227, 255
RGB Percent	82%, 89%, 100%
CMY	0.1843, 0.1098, 0.0000
CMYK	0.18, 0.11, 0.00, 0.00
HSL	216°, 100%, 91%
HSV	216°, 18%, 100%
XYZ	71.5315, 75.5681, 105.4237
YIQ	224.5110, -20.3120, 4.6800

Conversions

Conversions Part 2

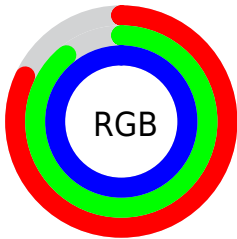
Format	Color
R _Y B	208, 222, 255
Decimal	13689855
CIE Lab	89.66, -0.62, -15.69
CIE LCh	90, 15.702, 267.731
Yxy	75.5681, 0.2833, 0.2993
Android (android.graphics.Color)	4291879935 (0xFFD0E3FF)
YUV	224.5110, 15.0311, -14.4801
Hunter-Lab	86.9299, -5.2461, -11.0526

Details

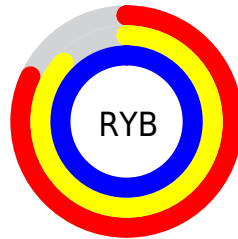
The XYZ color **71.5315, 75.5681, 105.4237** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.6203, 85.8037, 71.8834**, and the grayscale version is **71.1250, 74.8291, 81.4889**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0824, 40.3546, 59.2081** is the 20% darker color. If you saturate the color by 10%, you get **60.9576, 64.2210, 103.7908**, and if you desaturate by 10%, it is **83.6286, 88.2485, 107.2337**.

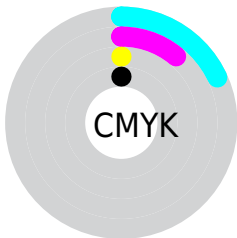
Distribution



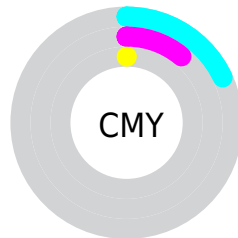
- Red (82%)
- Green (89%)
- Blue (100%)



- 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 71.5315, 75.5681, 105.4237 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 71.5315, 75.5681, 105.4237 by changing the saturation by 10% instead.

■ 71.5315, 75.5681,
105.4237

■ 71.5315, 75.5681,
105.4237

455.0923,
479.8679, 598.8397

■ 53.0601, 56.0784,
80.1957

120.4046,
127.1162, 170.7075

■ 38.0785, 40.2658,
59.3523

151.5371,
159.9434, 211.6004

■ 26.2211, 27.7458,
42.4749

187.6207,
197.9853, 258.5520

■ 17.1227, 18.1342,
29.1450

229.0207,
241.6262, 311.9808

■ 10.4178, 11.0464,
18.9440

276.1025,
291.2505, 372.3055

■ 5.7412, 6.0980,
11.4534

329.2315,

■ 2.7275, 2.9048,

347.2426, 439.9445

6.2547

388.7729,
409.9870, 515.3164

■ 1.0114, 1.0822,
2.9293

■ 0.0000, 0.0000,
1.0586

■ 71.5315, 75.5681,
105.4237

■ 71.5315, 75.5681,
105.4237

■ 60.9576, 64.2210,
103.7908

■ 83.6286, 88.2485,
107.2337

■ 51.8365, 54.1510,
102.3279

95.0500, 100.0000,
108.9000

■ 44.1008, 45.3108,
101.0292

■ 37.6752, 37.6464,
99.8885

■ 32.4766, 31.0989,
98.8987

■ 28.4111, 25.6032,
98.0522

■ 25.3692, 21.0850,
97.3405

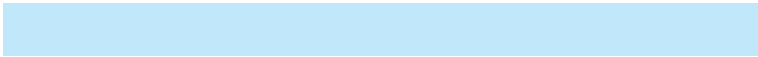
■ 23.2015, 17.4486,
96.7528

■ 22.9105, 16.9411,
96.6702

Harmonies

Analogous

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



67.9315, 75.5681, 101.6138



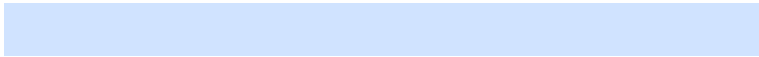
71.5315, 75.5681, 105.4237



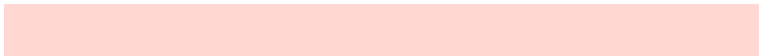
75.3378, 75.5681, 102.5864

Triad

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



71.5315, 75.5681, 105.4237



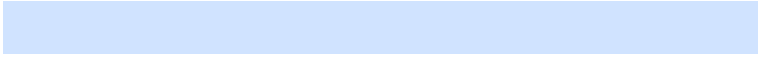
78.6036, 75.5681, 72.7724



65.7250, 75.5681, 71.4364

Complementary

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



71.5315, 75.5681, 105.4237



82.6203, 85.8037, 71.8834

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.



68.4235, 75.5681, 64.8487



71.5315, 75.5681, 105.4237



75.8650, 75.5681, 65.5701

Square

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



71.5315, 75.5681, 105.4237



79.5070, 75.5681, 83.1260



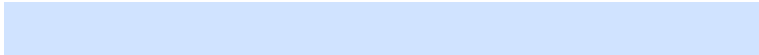
72.1197, 75.5681, 62.7999



64.6549, 75.5681, 81.4414

Rectangle

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



71.5315, 75.5681, 105.4237



77.4641, 75.5681, 97.4370



72.1197, 75.5681, 62.7999



66.4669, 75.5681, 68.7839

Sweetspot

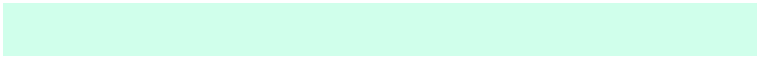
The Sweet Spot groups the original color and five complimentary colors.



71.5336, 75.5711, 105.4242



86.8046, 91.5351, 107.7007



76.8290, 90.9526, 92.4203



18.3951, 19.4015, 23.0253



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.



71.5336, 75.5711, 105.4242



67.5873, 71.3696, 104.8212



67.7345, 66.3180, 103.8384



17.6059, 18.5834, 22.9090



12.1084, 9.1263, 50.5580



1.2828, 1.0962, 4.9573

Inverse Universe

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



77.6623, 71.9193, 82.4652



74.7694, 67.3124, 77.8662



86.9592, 96.5989, 73.7384



18.3137, 18.1088, 20.2693



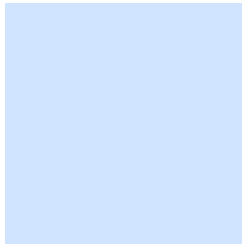
22.8999, 11.6493, 8.1235



2.2821, 1.1552, 1.0669

Previews

White Background



This preview shows how the XYZ color 71.5315, 75.5681, 105.4237 looks on a white background.

Color Contrast Check

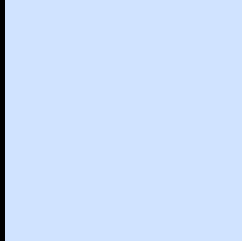
Large Text (above 18pt) WCAG AA × Fail

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 71.5315, 75.5681, 105.4237 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

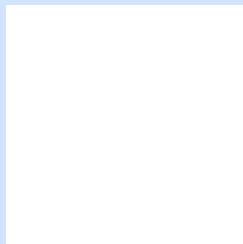
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.5315, 75.5681, 105.4237

Background



This preview shows how black text looks on a background with the XYZ color 71.5315, 75.5681, 105.4237.



This preview shows how white text looks on a background with the XYZ color 71.5315, 75.5681,

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

71.5315, 75.5681, 105.4237

Protanopia

73.9361, 75.2394, 103.5543

Deuteranopia

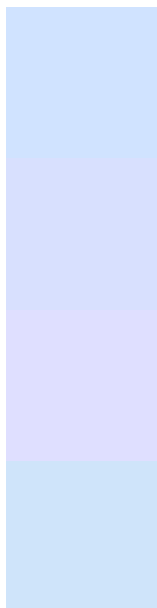
76.9219, 75.5622, 105.1385



Tritanopia

69.9855, 75.3240, 98.8460

Trichromacy



Original Color

71.5315, 75.5681, 105.4237

Protanomaly

72.8639, 75.0660, 104.4148

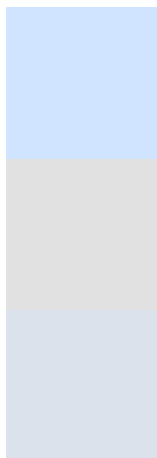
Deuteranomaly

74.8691, 75.6833, 105.2701

Tritanomaly

70.7308, 75.6543, 101.3173

Monochromacy



Original Color

71.5315, 75.5681, 105.4237

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.5501, 75.5089, 90.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5315, 75.5681, 105.4237 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(208, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 227, 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(208, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.5315, 75.5681, 105.4237 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(208, 227, 255) }
```


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

```
.border{ border-color:rgb(208, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(208, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5315, 75.5681, 105.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 227, 255) }
```

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

```
.background{ background-color: rgb(208,  
227, 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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