

Converting Colors

XYZ(82.6771, 79.9225,
166.0016)

Have a look what the booklet for
XYZ(82.6771, 79.9225, 166.0016)
contains.

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Color

**XYZ(71.2512, 75.4236,
105.4106)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE3FF
RGB	207, 227, 255
RGB Percent	81%, 89%, 100%
CMY	0.1882, 0.1098, 0.0000
CMYK	0.19, 0.11, 0.00, 0.00
HSL	215°, 100%, 91%
HSV	215°, 19%, 100%
XYZ	71.2512, 75.4236, 105.4106
YIQ	224.2120, -20.9080, 4.4680

Conversions

Conversions Part 2

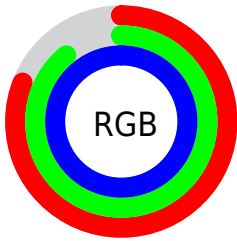
Format	Color
R_{YB}	207, 221, 255
Decimal	13624319
CIE Lab	89.59, -0.93, -15.80
CIE LCh	90, 15.825, 266.645
Yxy	75.4236, 0.2826, 0.2992
Android (android.graphics.Color)	4291814399 (0xFFCFE3FF)
YUV	224.2120, 15.1785, -15.0949
Hunter-Lab	86.8468, -5.5361, -11.1707

Details

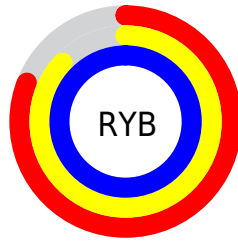
The XYZ color **71.2512, 75.4236, 105.4106** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.2105, 85.1804, 71.1416**, and the grayscale version is **70.9104, 74.6033, 81.2430**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8945, 40.2577, 59.1993** is the 20% darker color. If you saturate the color by 10%, you get **60.8005, 64.2574, 103.8061**, and if you desaturate by 10%, it is **83.2079, 87.8917, 107.1870**.

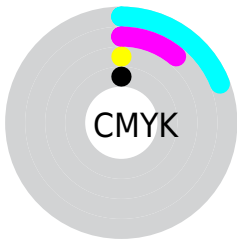
Distribution



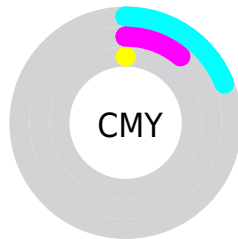
- Red (81%)
- Green (89%)
- Blue (100%)



- Red (81%)
- Yellow (87%)
- Blue (100%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2512, 75.4236, 105.4106 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 71.2512, 75.4236, 105.4106 by changing the saturation by 10% instead.

■ 71.2512, 75.4236,
105.4106

■ 71.2512, 75.4236,
105.4106

454.1293,
479.3723, 598.7980

■ 52.8305, 55.9600,
80.1848

120.0079,
126.9118, 170.6894

■ 37.8944, 40.1708,
59.3434

151.0746,
159.7052, 211.5795

■ 26.0776, 27.6718,
42.4678

187.0874,
197.7106, 258.5281

■ 17.0147, 18.0784,
29.1394

228.4115,
241.3125, 311.9538

■ 10.3403, 11.0063,
18.9398

275.4124,
290.8952, 372.2751

■ 5.6892, 6.0711,
11.4504

328.4555,

■ 2.6959, 2.8883,

346.8431, 439.9105

6.2527

387.9060,
409.5407, 515.2786

■ 0.9950, 1.0737,
2.9281

■ 0.0000, 0.0000,
1.0580

■ 71.2512, 75.4236,
105.4106

■ 71.2512, 75.4236,
105.4106

■ 60.8005, 64.2574,
103.8061

■ 83.2079, 87.8917,
107.1870

■ 51.7858, 54.3382,
102.3667

95.0500, 100.0000,
108.9000

■ 44.1402, 45.6196,
101.0868

■ 37.7887, 38.0488,
99.9602

■ 32.6486, 31.5683,
98.9803

■ 28.6264, 26.1141,
98.1395

■ 25.6124, 21.6133,
97.4296

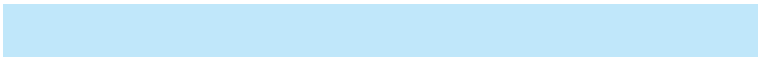
■ 23.4522, 17.9686,
96.8400

■ 23.2317, 17.5834,
96.7772

Harmonies

Analogous

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



67.6547, 75.4236, 101.3413



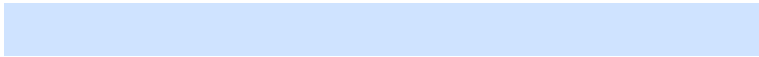
71.2512, 75.4236, 105.4106



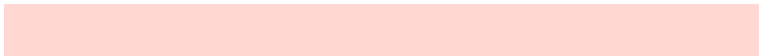
75.0939, 75.4236, 102.7899

Triad

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



71.2512, 75.4236, 105.4106



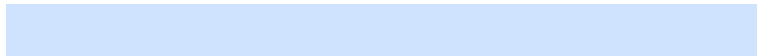
78.5811, 75.4236, 72.8890



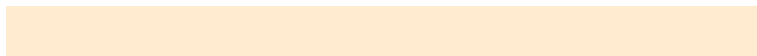
65.6216, 75.4236, 70.9028

Complementary

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



71.2512, 75.4236, 105.4106



82.2105, 85.1804, 71.1416

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.



68.3865, 75.4236, 64.4312



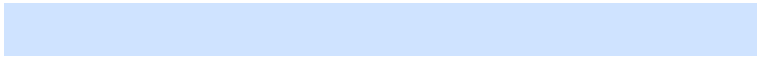
71.2512, 75.4236, 105.4106



75.8783, 75.4236, 65.5031

Square

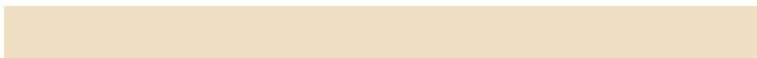
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2512, 75.4236, 105.4106



79.4147, 75.4236, 83.3830



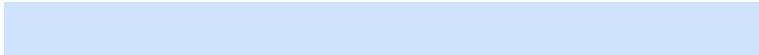
72.1263, 75.4236, 62.5465



64.4793, 75.4236, 80.8767

Rectangle

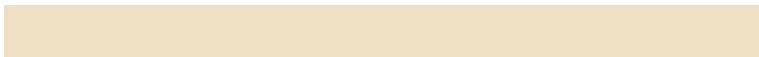
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2512, 75.4236, 105.4106



77.2635, 75.4236, 97.7199



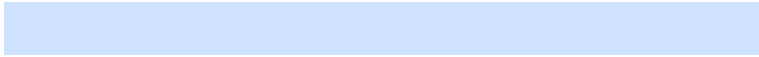
72.1263, 75.4236, 62.5465



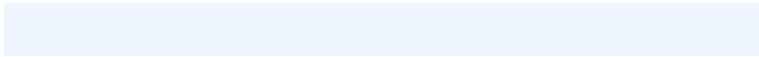
66.3871, 75.4236, 68.2816

Sweetspot

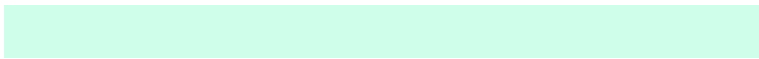
The Sweet Spot groups the original color and five complimentary colors.



71.2533, 75.4266, 105.4111



86.8623, 91.6506, 107.7199



76.3730, 90.7378, 91.4823



18.4087, 19.4288, 23.0298



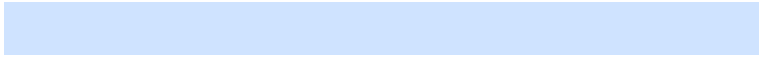
0.0000, 0.0000, 0.0000



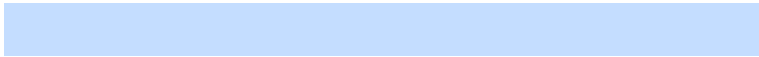
20.3446, 21.4041, 23.3091

Same Dimension

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



71.2533, 75.4266, 105.4111



66.7076, 70.6057, 104.7201



66.9994, 65.5782, 103.7344



17.6249, 18.6215, 22.9153



12.2783, 9.4662, 50.6146



1.3004, 1.1315, 4.9631

Inverse Universe

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



77.4192, 71.4332, 82.3841



74.0824, 66.1073, 77.1166



87.0953, 96.6833, 73.1044



18.3233, 18.1126, 20.3198



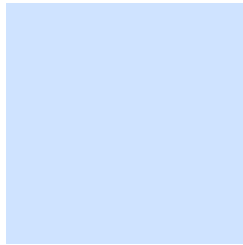
22.9857, 11.6836, 8.5753



2.2910, 1.1588, 1.1138

Previews

White Background



This preview shows how the XYZ color 71.2512, 75.4236, 105.4106 looks on a white background.

Color Contrast Check

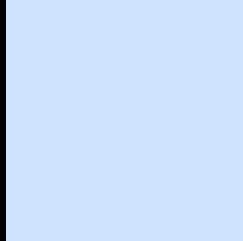
Large Text (above 18pt) WCAG AA × Fail

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 71.2512, 75.4236, 105.4106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

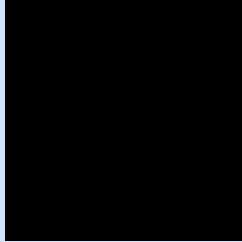
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

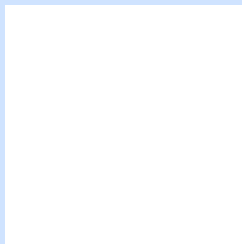
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2512, 75.4236, 105.4106

Background



This preview shows how black text looks on a background with the XYZ color 71.2512, 75.4236, 105.4106.



This preview shows how white text looks on a background with the XYZ color 71.2512, 75.4236,

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

71.2512, 75.4236, 105.4106

Protanopia

73.9361, 75.2394, 103.5543

Deuteranopia

76.5982, 75.3953, 105.1233



Tritanopia

69.7087, 75.1813, 98.8331

Trichromacy



Original Color

71.2512, 75.4236, 105.4106

Protanomaly

72.8639, 75.0660, 104.4148

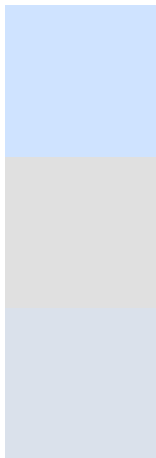
Deuteranomaly

74.5619, 75.5249, 105.2557

Tritanomaly

70.4523, 75.5107, 101.3043

Monochromacy



Original Color

71.2512, 75.4236, 105.4106

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.8341, 74.7540, 89.2929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2512, 75.4236, 105.4106 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(207, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.2512, 75.4236, 105.4106 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(207, 227, 255) }
```


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

```
.border{ border-color:rgb(207, 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(207, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2512, 75.4236, 105.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 227, 255) }
```

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

```
.background{ background-color: rgb(207,  
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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