

Converting Colors

XYZ(67.6564, 73.7853,
105.2838)

Have a look what the booklet for
XYZ(67.6564, 73.7853, 105.2838)
contains.

XYZ(67.7857, 74.0443, 105.3270)	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(67.7857, 74.0443,
105.3270)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E4FF
RGB	193, 228, 255
RGB Percent	76%, 89%, 100%
CMY	0.2431, 0.1059, 0.0000
CMYK	0.24, 0.11, 0.00, 0.00
HSL	206°, 100%, 88%
HSV	206°, 24%, 100%
XYZ	67.7857, 74.0443, 105.3270
YIQ	220.6130, -29.5270, 0.9770

Conversions

Conversions Part 2

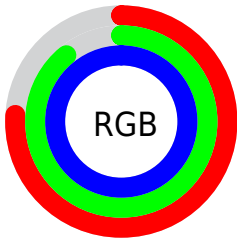
Format	Color
RYB	193, 215, 255
Decimal	12707071
CIELab	88.94, -5.62, -16.86
CIELCh	89, 17.774, 251.563
Yxy	74.0443, 0.2743, 0.2996
Android (android.graphics.Color)	4290897151 (0xFFC1E4FF)
YUV	220.6130, 16.9528, -24.2166
Hunter-Lab	86.0490, -9.9711, -12.3387

Details

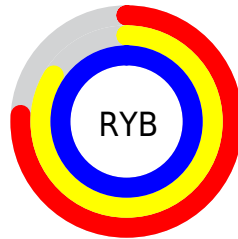
The XYZ color **67.7857, 74.0443, 105.3270** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.4587, 76.2958, 61.1505**, and the grayscale version is **68.3575, 71.9174, 78.3181**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **35.6178, 39.3676, 59.1475** is the 20% darker color. If you saturate the color by 10%, you get **58.8802, 65.0652, 104.0633**, and if you desaturate by 10%, it is **78.0122, 83.9994, 106.7096**.

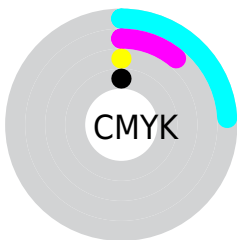
Distribution



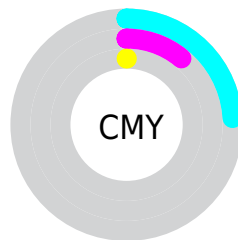
- Red (76%)
- Green (89%)
- Blue (100%)



- Red (76%)
- Yellow (84%)
- Blue (100%)



- Cyan (24%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7857, 74.0443, 105.3270 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 67.7857, 74.0443, 105.3270 by changing the saturation by 10% instead.

■ 67.7857, 74.0443,
105.3270

■ 67.7857, 74.0443,
105.3270

442.1250,
474.6262, 598.5318

■ 49.9965, 54.8303,
80.1152

■ 115.0891,
124.9586, 170.5741

■ 35.6284, 39.2659,
59.2864

145.3340,
157.4277, 211.4465

■ 24.3161, 26.9666,
42.4222

180.4615,
195.0839, 258.3761

■ 15.6943, 17.5482,
29.1040

220.8369,
238.3117, 311.7815

■ 9.3975, 10.6261,
18.9132

266.8256,
287.4955, 372.0812

■ 5.0606, 5.8160,
11.4314

318.7929,

■ 2.3180, 2.7335,

343.0195, 439.6938

6.2400

377.1043,
405.2683, 515.0378

■ 0.8038, 0.9942,
2.9204

■ 0.0000, 0.0000,
1.0541

■ 67.7857, 74.0443,
105.3270

■ 67.7857, 74.0443,
105.3270

■ 58.8802, 65.0652,
104.0633

■ 78.0122, 83.9994,
106.7096

■ 51.2285, 57.0163,
102.9130

■ 89.6106, 94.9564,
108.2132

■ 44.7662, 49.8609,
101.8724

95.0500, 100.0000,
108.9000

■ 39.4203, 43.5556,
100.9371

■ 35.1089, 38.0520,
100.1021

■ 31.7373, 33.2954,
99.3617

■ 29.1902, 29.2198,
98.7092

■ 28.0181, 27.1561,
98.3727

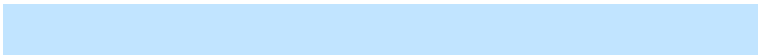
Harmonies

Analogous

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



64.3503, 74.0443, 97.4342



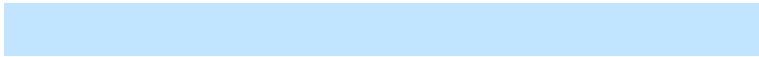
67.7857, 74.0443, 105.3270



72.0530, 74.0443, 106.2105

Triad

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



67.7857, 74.0443, 105.3270



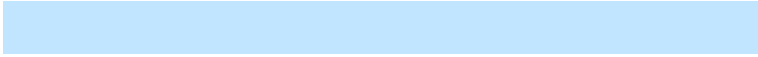
78.8214, 74.0443, 75.9523



65.0152, 74.0443, 64.1192

Complementary

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



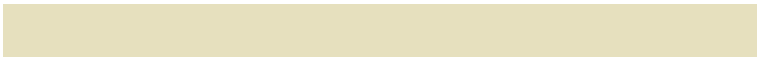
67.7857, 74.0443, 105.3270



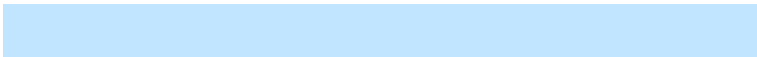
76.4587, 76.2958, 61.1505

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.



68.7270, 74.0443, 59.5131



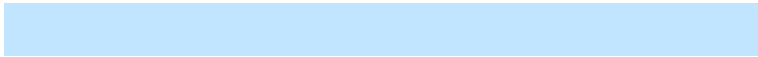
67.7857, 74.0443, 105.3270



76.7684, 74.0443, 65.8637

Square

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



67.7857, 74.0443, 105.3270



78.5441, 74.0443, 88.3715



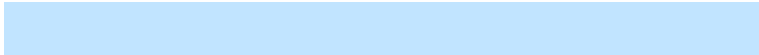
73.0333, 74.0443, 60.1173



62.7964, 74.0443, 73.3387

Rectangle

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



67.7857, 74.0443, 105.3270



74.8093, 74.0443, 102.6076



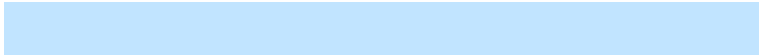
73.0333, 74.0443, 60.1173



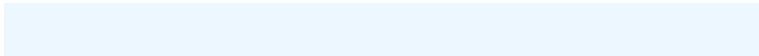
66.1231, 74.0443, 62.0246

Sweetspot

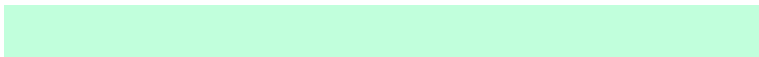
The Sweet Spot groups the original color and five complimentary colors.



67.7877, 74.0472, 105.3275



86.3556, 91.9112, 107.7969



70.6539, 88.0182, 80.8841



18.3302, 19.5286, 23.0532



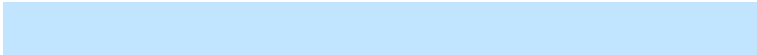
0.0000, 0.0000, 0.0000



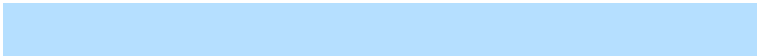
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7877, 74.0472, 105.3275



63.4521, 69.7184, 104.7205



60.0402, 58.5521, 102.7450



17.8540, 19.0797, 22.9917



14.7914, 14.4923, 51.4523



1.5489, 1.6286, 5.0460

Inverse Universe

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



74.3148, 65.0029, 82.0322



71.0664, 59.6450, 77.4378



85.3216, 94.0216, 64.1048



18.4390, 18.1589, 20.9287



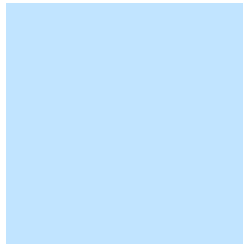
24.2542, 12.1910, 15.2549



2.4164, 1.2089, 1.7744

Previews

White Background



This preview shows how the XYZ color 67.7857, 74.0443, 105.3270 looks on a white background.

Color Contrast Check

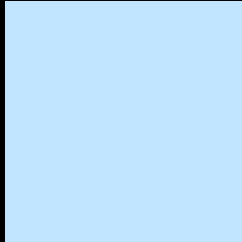
Large Text (above 18pt) WCAG AA × Fail

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 67.7857, 74.0443, 105.3270 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

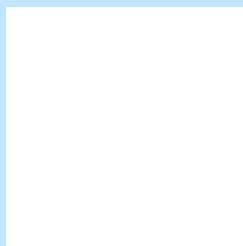
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7857, 74.0443, 105.3270

Background



This preview shows how black text looks on a background with the XYZ color 67.7857, 74.0443, 105.3270.



This preview shows how white text looks on a background with the XYZ color 67.7857, 74.0443,

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

67.7857, 74.0443, 105.3270

Protanopia

72.4825, 73.7380, 101.6794

Deuteranopia

75.1163, 73.8568, 104.9045



Tritanopia

66.4484, 73.8923, 99.5674

Trichromacy



Original Color

67.7857, 74.0443, 105.3270

Protanomaly

70.8047, 74.0412, 102.6550

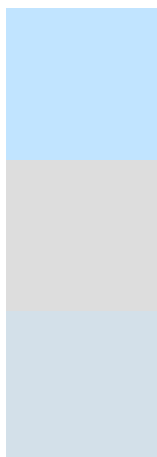
Deuteranomaly

72.1956, 73.9096, 105.0686

Tritanomaly

67.1701, 74.2101, 102.0505

Monochromacy



Original Color

67.7857, 74.0443, 105.3270

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2276, 73.0434, 87.5936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7857, 74.0443, 105.3270 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(193, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7857, 74.0443, 105.3270 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(193, 228, 255) }
```


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

```
.border{ border-color:rgb(193, 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(193, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7857, 74.0443, 105.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 228, 255) }
```

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

```
.background{ background-color: rgb(193,  
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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