

Converting Colors

XYZ(82.1692, 79.1205,
169.7796)

Have a look what the booklet for
XYZ(82.1692, 79.1205, 169.7796)
contains.

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Color

**XYZ(69.8750, 74.3092,
105.2681)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE2FF
RGB	203, 226, 255
RGB Percent	80%, 89%, 100%
CMY	0.2039, 0.1137, 0.0000
CMYK	0.20, 0.11, 0.00, 0.00
HSL	213°, 100%, 90%
HSV	213°, 20%, 100%
XYZ	69.8750, 74.3092, 105.2681
YIQ	222.4290, -23.0170, 4.1430

Conversions

Conversions Part 2

Format	Color
R _Y B	203, 219, 255
Decimal	13361919
CIE Lab	89.07, -1.62, -16.61
CIE LCh	89, 16.688, 264.441
Yxy	74.3092, 0.2801, 0.2979
Android (android.graphics.Color)	4291551999 (0xFFCBE2FF)
YUV	222.4290, 16.0575, -17.0392
Hunter-Lab	86.2028, -6.1648, -12.0611

Details

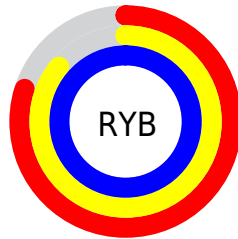
The XYZ color **69.8750, 74.3092, 105.2681** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.8760, 83.2843, 68.3146**, and the grayscale version is **69.6378, 73.2643, 79.7849**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9687, 39.4989, 59.1017** is the 20% darker color. If you saturate the color by 10%, you get **59.7860, 63.6058, 103.7338**, and if you desaturate by 10%, it is **81.4309, 86.2487, 106.9635**.

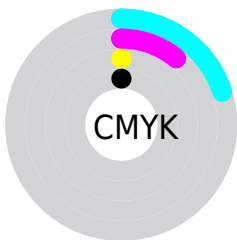
Distribution



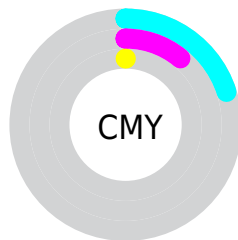
- Red (80%)
- Green (89%)
- Blue (100%)



- Red (80%)
- Yellow (86%)
- Blue (100%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8750, 74.3092, 105.2681 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 69.8750, 74.3092, 105.2681 by changing the saturation by 10% instead.

■ 69.8750, 74.3092,
105.2681

■ 69.8750, 74.3092,
105.2681

449.3842,
475.5398, 598.3442

■ 51.7039, 55.0471,
80.0661

118.0577,
125.3340, 170.4929

■ 36.9924, 39.4395,
59.2462

148.8000,
157.8656, 211.3527

■ 25.3753, 27.1018,
42.3901

184.4634,
195.5891, 258.2689

■ 16.4871, 17.6497,
29.0790

225.4132,
238.8890, 311.6600

■ 9.9625, 10.6988,
18.8945

272.0149,
288.1496, 371.9446

■ 5.4362, 5.8647,
11.4180

324.6337,

■ 2.5427, 2.7630,

343.7553, 439.5411

6.2310

383.6350,
406.0906, 514.8681

■ 0.9169, 1.0093,
2.9150

■ 0.0000, 0.0000,
1.0514

■ 69.8750, 74.3092,
105.2681

■ 69.8750, 74.3092,
105.2681

■ 59.7860, 63.6058,
103.7338

■ 81.4309, 86.2487,
106.9635

■ 51.0943, 54.0853,
102.3543

■ 94.5070, 99.4572,
108.8238

■ 43.7334, 45.7036,
101.1244

■ 95.0500, 100.0000,
108.9000

■ 37.6285, 38.4096,
100.0383

■ 32.6969, 32.1476,
99.0895

■ 28.8442, 26.8555,
98.2711

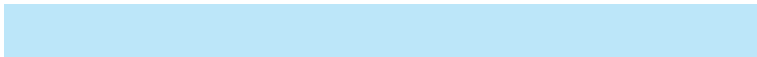
■ 25.9594, 22.4617,
97.5751

■ 23.9331, 18.9863,
97.0110

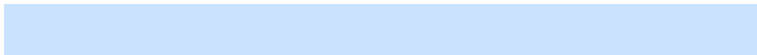
Harmonies

Analogous

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



66.1848, 74.3092, 100.4978



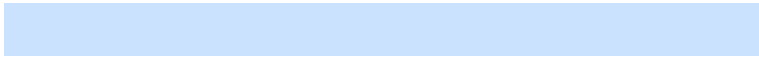
69.8750, 74.3092, 105.2681



73.9086, 74.3092, 103.0216

Triad

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



69.8750, 74.3092, 105.2681



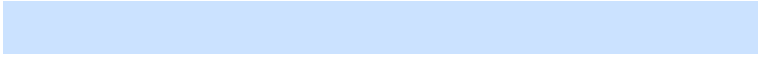
77.9777, 74.3092, 72.0066



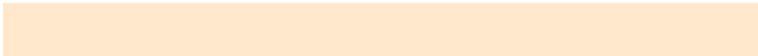
64.4656, 74.3092, 68.5907

Complementary

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



69.8750, 74.3092, 105.2681



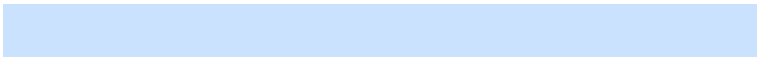
80.8760, 83.2843, 68.3146

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.



67.4473, 74.3092, 62.2130



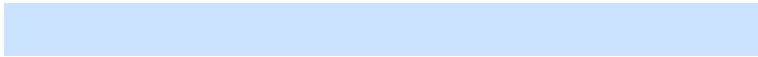
69.8750, 74.3092, 105.2681



75.2671, 74.3092, 64.0488

Square

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



69.8750, 74.3092, 105.2681



78.6880, 74.3092, 83.0956



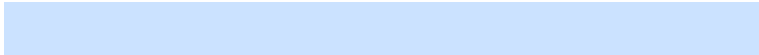
71.3877, 74.3092, 60.6331



63.1393, 74.3092, 78.7632

Rectangle

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



69.8750, 74.3092, 105.2681



76.2376, 74.3092, 97.9478



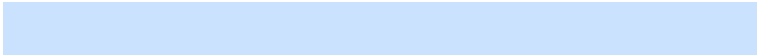
71.3877, 74.3092, 60.6331



65.3019, 74.3092, 65.9724

Sweetspot

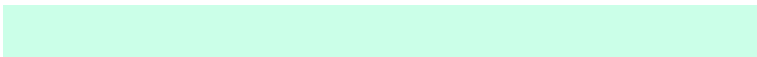
The Sweet Spot groups the original color and five complimentary colors.



69.8770, 74.3121, 105.2685



86.9818, 91.8895, 107.7598



74.8983, 90.0205, 89.4755



18.4369, 19.4852, 23.0392



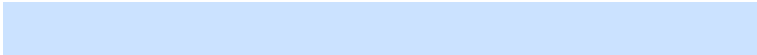
0.0000, 0.0000, 0.0000



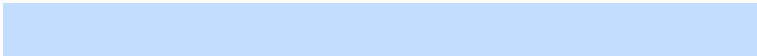
20.3446, 21.4041, 23.3091

Same Dimension

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



69.8770, 74.3121, 105.2685



66.0697, 70.3086, 104.6964



64.7501, 62.9983, 103.3549



17.6643, 18.7003, 22.9285



12.6488, 10.2071, 50.7381



1.3383, 1.2074, 4.9758

Inverse Universe

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



76.3247, 69.4645, 81.3400



73.5215, 64.9683, 76.9828



86.8298, 96.6022, 70.5714



18.3432, 18.1206, 20.4245



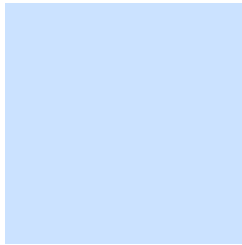
23.1727, 11.7584, 9.5599



2.3101, 1.1664, 1.2146

Previews

White Background



This preview shows how the XYZ color 69.8750, 74.3092, 105.2681 looks on a white background.

Color Contrast Check

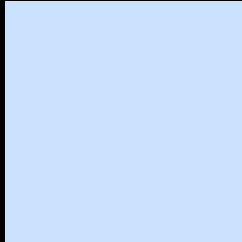
Large Text (above 18pt) WCAG AA × Fail

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 69.8750, 74.3092, 105.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

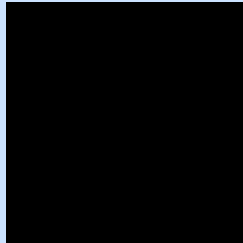
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

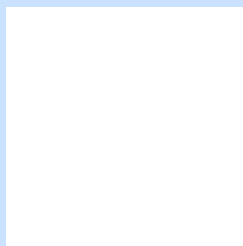
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8750, 74.3092, 105.2681

Background



This preview shows how black text looks on a background with the XYZ color 69.8750, 74.3092, 105.2681.



This preview shows how white text looks on a background with the XYZ color 69.8750, 74.3092,

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

69.8750, 74.3092, 105.2681

Protanopia

72.9054, 74.3309, 102.6002

Deuteranopia

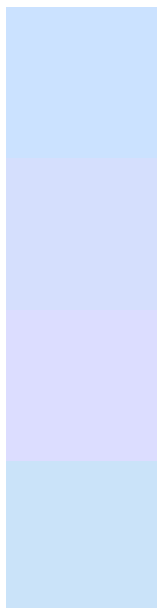
75.4345, 74.0208, 104.9194



Tritanopia

68.4653, 74.5581, 97.9714

Trichromacy



Original Color

69.8750, 74.3092, 105.2681

Protanomaly

71.5579, 74.0133, 103.4430

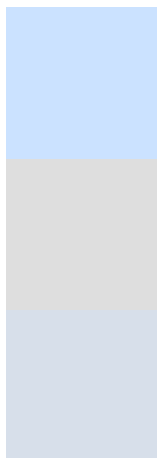
Deuteranomaly

73.4217, 74.1485, 105.0501

Tritanomaly

68.9251, 74.3343, 100.3377

Monochromacy



Original Color

69.8750, 74.3092, 105.2681

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.2633, 73.1629, 88.3132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8750, 74.3092, 105.2681 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(203, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 226, 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(203, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8750, 74.3092, 105.2681 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(203, 226, 255) }
```


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

```
.border{ border-color:rgb(203, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8750, 74.3092, 105.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 226, 255) }
```

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

```
.background{ background-color: rgb(203,  
226, 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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