

Converting Colors

XYZ(67.2837, 72.2847,
105.0139)

Have a look what the booklet for
XYZ(67.2837, 72.2847, 105.0139)
contains.

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Color

**XYZ(67.2113, 72.1334,
104.9885)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E0FF
RGB	195, 224, 255
RGB Percent	76%, 88%, 100%
CMY	0.2353, 0.1216, 0.0000
CMYK	0.24, 0.12, 0.00, 0.00
HSL	211°, 100%, 88%
HSV	211°, 24%, 100%
XYZ	67.2113, 72.1334, 104.9885
YIQ	218.8630, -27.2350, 3.4930

Conversions

Conversions Part 2

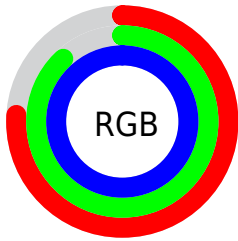
Format	Color
R_{YB}	195, 215, 255
Decimal	12837119
CIE _{Lab}	88.03, -2.96, -18.22
CIE _{LCh}	88, 18.459, 260.768
Yxy	72.1334, 0.2751, 0.2952
Android (android.graphics.Color)	4291027199 (0xFFC3E0FF)
YUV	218.8630, 17.8155, -20.9279
Hunter-Lab	84.9314, -7.3722, -13.8398

Details

The XYZ color **67.2113, 72.1334, 104.9885** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.2865, 79.5920, 62.8681**, and the grayscale version is **67.1326, 70.6287, 76.9147**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **35.1962, 38.0286, 58.9113** is the 20% darker color. If you saturate the color by 10%, you get **57.7725, 62.2153, 103.5715**, and if you desaturate by 10%, it is **78.0534, 83.1859, 106.5504**.

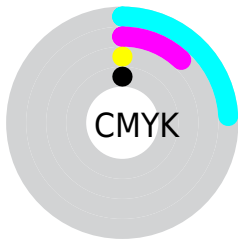
Distribution



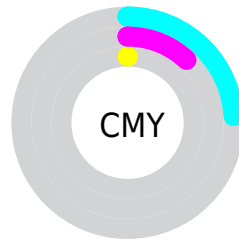
- Red (76%)
- Green (88%)
- Blue (100%)



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



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2113, 72.1334, 104.9885 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 67.2113, 72.1334, 104.9885 by changing the saturation by 10% instead.

67.2113, 72.1334,
104.9885

67.2113, 72.1334,
104.9885

440.1172,
468.0058, 597.4533

49.5277, 53.2677,
79.8331

114.2713,
122.2462, 170.1072

35.2545, 38.0165,
59.0557

144.3783,
154.2620, 210.9077

24.0264, 25.9955,
42.2376

179.3572,
191.4300, 257.7602

15.4781, 16.8203,
28.9605

219.5734,
234.1345, 311.0834

9.2441, 10.1064,
18.8056

265.3921,
282.7599, 371.2958

4.9591, 5.4696,
11.3545

317.1787,

2.2578, 2.5253,

337.6907, 438.8158

6.1886

375.2986,
399.3112, 514.0622

■ 0.7729, 0.8893,
2.8895

■ 0.0000, 0.0000,
1.0385

■ 67.2113, 72.1334,
104.9885

■ 67.2113, 72.1334,
104.9885

■ 57.7725, 62.2153,
103.5715

■ 78.0534, 83.1859,
106.5504

■ 49.6679, 53.3811,
102.2936

■ 90.3521, 95.4035,
108.2604

■ 42.8308, 45.5890,
101.1499

95.0500, 100.0000,
108.9000

■ 37.1860, 38.7903,
100.1351

■ 32.6494, 32.9313,
99.2433

■ 29.1246, 27.9516,
98.4679

■ 26.4950, 23.7799,
97.8013

■ 25.1656, 21.4513,
97.4219

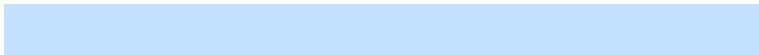
Harmonies

Analogous

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



63.3440, 72.1334, 98.8605



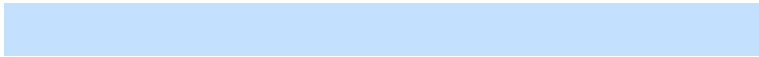
67.2113, 72.1334, 104.9885



71.6069, 72.1334, 103.4651

Triad

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



67.2113, 72.1334, 104.9885



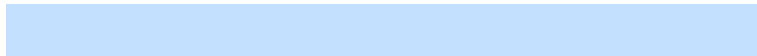
76.7858, 72.1334, 70.2528



62.2092, 72.1334, 64.1816

Complementary

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



67.2113, 72.1334, 104.9885



78.2865, 79.5920, 62.8681

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.



65.6020, 72.1334, 57.9802



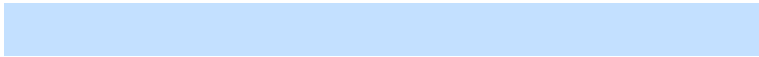
67.2113, 72.1334, 104.9885



74.0561, 72.1334, 61.2160

Square

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



67.2113, 72.1334, 104.9885



77.2619, 72.1334, 82.4956



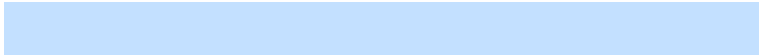
69.9279, 72.1334, 56.9558



60.5385, 72.1334, 74.7149

Rectangle

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



67.2113, 72.1334, 104.9885



74.2394, 72.1334, 98.3739



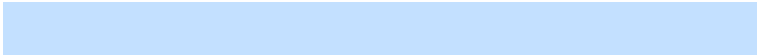
69.9279, 72.1334, 56.9558



63.1791, 72.1334, 61.5707

Sweetspot

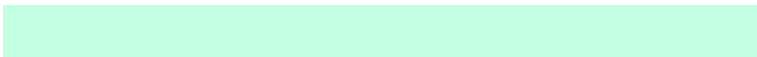
The Sweet Spot groups the original color and five complimentary colors.



67.2133, 72.1362, 104.9889



85.9136, 91.0272, 107.6496



71.8572, 88.5588, 84.5415



18.2278, 19.3238, 23.0191



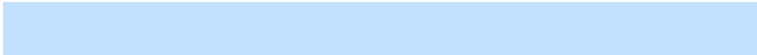
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



67.2133, 72.1362, 104.9889



62.8224, 67.5628, 104.3376



60.0721, 57.8540, 102.6085



17.7277, 18.8269, 22.9496



13.2975, 11.5046, 50.9543



1.4035, 1.3377, 4.9975

Inverse Universe

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



74.2109, 65.6735, 79.2892



70.9673, 60.4429, 74.3339



86.8506, 96.7203, 65.7228



18.3752, 18.1334, 20.5929



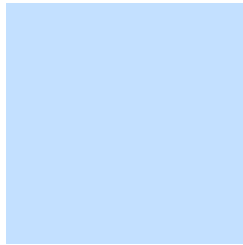
23.5002, 11.8894, 11.2843



2.3430, 1.1796, 1.3878

Previews

White Background



This preview shows how the XYZ color 67.2113, 72.1334, 104.9885 looks on a white background.

Color Contrast Check

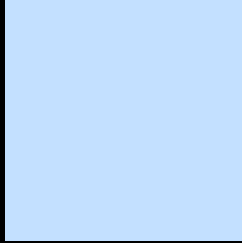
Large Text (above 18pt) WCAG AA × Fail

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 67.2113, 72.1334, 104.9885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

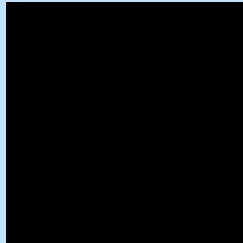
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

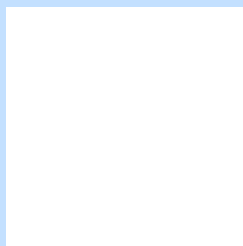
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2113, 72.1334, 104.9885

Background



This preview shows how black text looks on a background with the XYZ color 67.2113, 72.1334, 104.9885.



This preview shows how white text looks on a background with the XYZ color 67.2113, 72.1334,

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

67.2113, 72.1334, 104.9885

Protanopia

70.9265, 72.1384, 102.2813

Deuteranopia

73.0909, 71.6682, 104.5888



Tritanopia

65.5178, 72.2618, 96.0827

Trichromacy



Original Color

67.2113, 72.1334, 104.9885

Protanomaly

69.5985, 72.2146, 103.1991

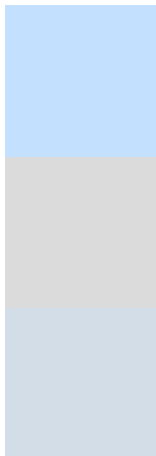
Deuteranomaly

70.5620, 71.5089, 104.6913

Tritanomaly

66.1166, 72.0971, 99.2383

Monochromacy



Original Color

67.2113, 72.1334, 104.9885

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.0003, 71.2407, 86.5635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2113, 72.1334, 104.9885 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(195, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 224, 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(195, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.2113, 72.1334, 104.9885 is called "border". The border property can be set on classes, ids or directly on the HTML element.

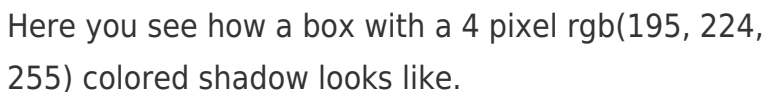
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 224, 255) }
```


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

```
.border{ border-color:rgb(195, 224, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 224, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 224, 255); box-shadow:4px 4px 4px 4px rgb(195, 224, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2113, 72.1334, 104.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 224, 255) }
```

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

```
.background{ background-color: rgb(195,  
224, 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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