

Converting Colors

XYZ(74.5466, 75.2457,
154.3291)

Have a look what the booklet for
XYZ(74.5466, 75.2457, 154.3291)
contains.

XYZ(65.2249, 71.5095, 104.9727)	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(65.2249, 71.5095,
104.9727)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE1FF
RGB	186, 225, 255
RGB Percent	73%, 88%, 100%
CMY	0.2706, 0.1176, 0.0000
CMYK	0.27, 0.12, 0.00, 0.00
HSL	206°, 100%, 86%
HSV	206°, 27%, 100%
XYZ	65.2249, 71.5095, 104.9727
YIQ	216.7590, -32.8740, 1.0620

Conversions

Conversions Part 2

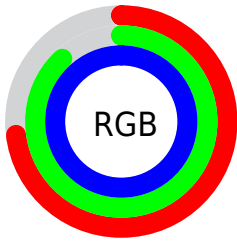
Format	Color
R_{YB}	186, 211, 255
Decimal	12247551
CIE _{Lab}	87.73, -6.10, -18.73
CIE _{LCh}	88, 19.696, 251.967
Yxy	71.5095, 0.2699, 0.2959
Android (android.graphics.Color)	4290437631 (0xFFBAE1FF)
YUV	216.7590, 18.8528, -26.9756
Hunter-Lab	84.5633, -10.3061, -14.4054

Details

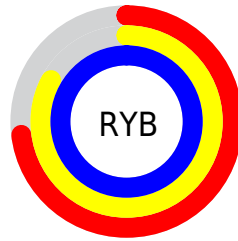
The XYZ color **65.2249, 71.5095, 104.9727** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.6589, 73.9165, 56.7886**, and the grayscale version is **65.6812, 69.1017, 75.2518**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.9278, 37.6520, 58.9054** is the 20% darker color. If you saturate the color by 10%, you get **56.6740, 62.7974, 103.7418**, and if you desaturate by 10%, it is **75.0798, 81.1862, 106.3211**.

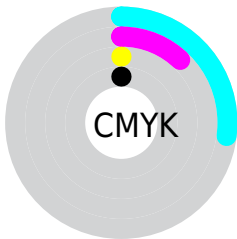
Distribution



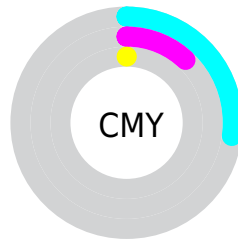
- Red (73%)
- Green (88%)
- Blue (100%)



- Red (73%)
- Yellow (83%)
- Blue (100%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2249, 71.5095, 104.9727 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 65.2249, 71.5095, 104.9727 by changing the saturation by 10% instead.

65.2249, 71.5095,
104.9727

65.2249, 71.5095,
104.9727

433.1322,
465.8325, 597.4030

47.9088, 52.7581,
79.8200

111.4370,
121.3589, 170.0854

33.9657, 37.6097,
59.0449

141.0638,
153.2257, 210.8825

23.0300, 25.6799,
42.2290

175.5249,
190.2331, 257.7315

14.7365, 16.5843,
28.9538

215.1857,
232.7654, 311.0508

8.7197, 9.9386,
18.8006

260.4114,
281.2072, 371.2591

4.6145, 5.3582,
11.3509

311.5675,

2.0553, 2.4590,

335.9427, 438.7748

6.1862

369.0193,
397.3563, 514.0166

■ 0.6647, 0.8560,
2.8880

■ 0.0000, 0.0000,
1.0378

■ 65.2249, 71.5095,
104.9727

■ 65.2249, 71.5095,
104.9727

■ 56.6740, 62.7974,
103.7418

■ 75.0798, 81.1862,
106.3211

■ 49.3586, 55.0040,
102.6231

■ 86.2908, 91.8544,
107.7894

■ 43.2128, 48.0913,
101.6127

95.0500, 100.0000,
108.9000

■ 38.1614, 42.0149,
100.7061

■ 34.1195, 36.7250,
99.8981

■ 30.9877, 32.1643,
99.1828

■ 28.6404, 28.2614,
98.5532

■ 28.0446, 27.2093,
98.3815

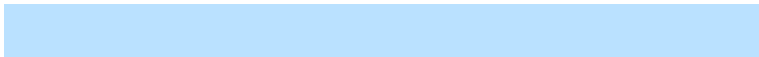
Harmonies

Analogous

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



61.5056, 71.5095, 96.3612



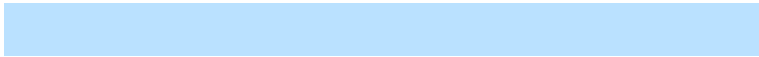
65.2249, 71.5095, 104.9727



69.8471, 71.5095, 105.8348

Triad

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



65.2249, 71.5095, 104.9727



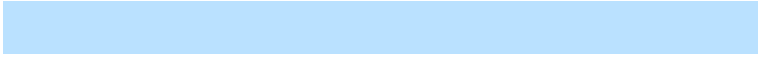
77.1385, 71.5095, 72.6487



62.1365, 71.5095, 60.2587

Complementary

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



65.2249, 71.5095, 104.9727



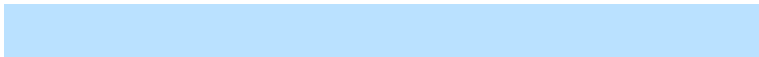
74.6589, 73.9165, 56.7886

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.



66.1222, 71.5095, 55.3107



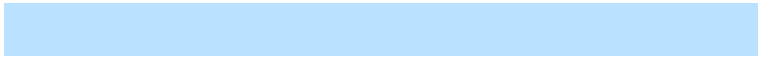
65.2249, 71.5095, 104.9727



74.8671, 71.5095, 61.8957

Square

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



65.2249, 71.5095, 104.9727



76.8712, 71.5095, 86.0993



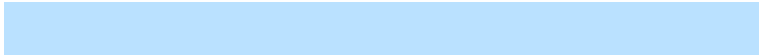
70.7862, 71.5095, 55.8735



59.7796, 71.5095, 70.1670

Rectangle

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



65.2249, 71.5095, 104.9727



72.8348, 71.5095, 101.7868



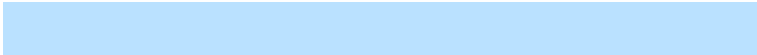
70.7862, 71.5095, 55.8735



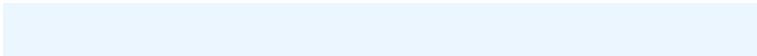
63.3223, 71.5095, 58.0142

Sweetspot

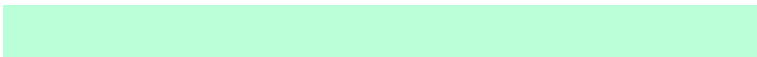
The Sweet Spot groups the original color and five complimentary colors.



65.2269, 71.5123, 104.9732



85.1747, 90.8056, 107.6458



68.3925, 86.9123, 78.0703



17.8551, 19.0818, 22.9920



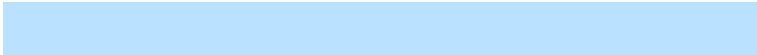
0.0000, 0.0000, 0.0000



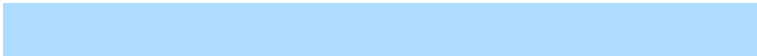
20.3446, 21.4041, 23.3091

Same Dimension

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



65.2269, 71.5123, 104.9732



60.8409, 67.0874, 104.3502



56.8448, 54.7482, 102.1792



17.8551, 19.0818, 22.9920



14.8052, 14.5201, 51.4569



1.5503, 1.6312, 5.0464

Inverse Universe

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



72.3908, 61.8157, 79.3535



69.1158, 56.4430, 74.6327



84.4134, 93.4255, 60.0401



18.4395, 18.1591, 20.9316



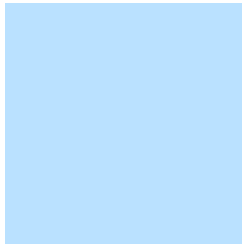
24.2612, 12.1938, 15.2918



2.4171, 1.2092, 1.7779

Previews

White Background



This preview shows how the XYZ color 65.2249, 71.5095, 104.9727 looks on a white background.

Color Contrast Check

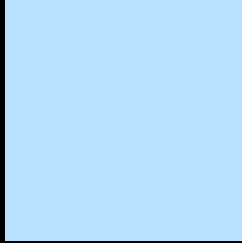
Large Text (above 18pt) WCAG AA × Fail

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 65.2249, 71.5095, 104.9727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

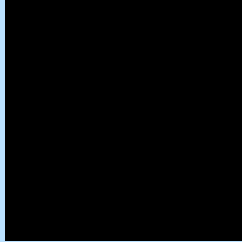
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

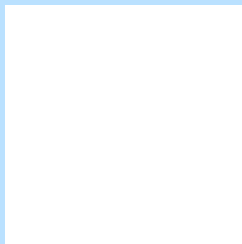
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.2249, 71.5095, 104.9727

Background



This preview shows how black text looks on a background with the XYZ color 65.2249, 71.5095, 104.9727.

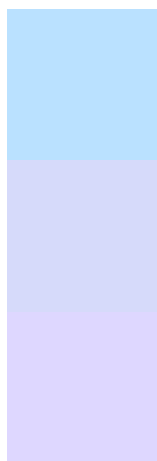


This preview shows how white text looks on a background with the XYZ color 65.2249, 71.5095,

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

65.2249, 71.5095, 104.9727

Protanopia

70.0583, 71.3411, 100.5202

Deuteranopia

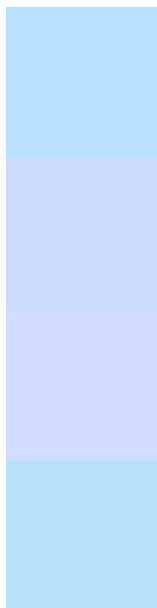
72.4746, 71.3505, 104.5599



Tritanopia

63.7177, 71.7211, 96.8715

Trichromacy



Original Color

65.2249, 71.5095, 104.9727

Protanomaly

68.3290, 71.5785, 102.3102

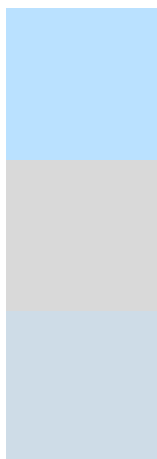
Deuteranomaly

69.6760, 71.4383, 104.7244

Tritanomaly

64.3028, 71.5466, 100.0433

Monochromacy



Original Color

65.2249, 71.5095, 104.9727

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.4706, 70.0777, 85.6770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2249, 71.5095, 104.9727 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(186, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 225, 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(186, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.2249, 71.5095, 104.9727 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(186, 225, 255) }
```


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

```
.border{ border-color:rgb(186, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2249, 71.5095, 104.9727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 225, 255) }
```

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

```
.background{ background-color: rgb(186,  
225, 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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