

Converting Colors

XYZ(64.6483, 72.1103,
105.1191)

Have a look what the booklet for
XYZ(64.6483, 72.1103, 105.1191)
contains.

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Color

**XYZ(64.5751, 71.9819,
105.0982)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E3FF
RGB	181, 227, 255
RGB Percent	71%, 89%, 100%
CMY	0.2902, 0.1098, 0.0000
CMYK	0.29, 0.11, 0.00, 0.00
HSL	203°, 100%, 85%
HSV	203°, 29%, 100%
XYZ	64.5751, 71.9819, 105.0982
YIQ	216.4380, -36.4040, -1.0440

Conversions

Conversions Part 2

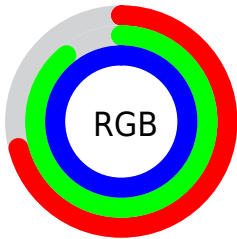
Format	Color
RYB	181, 209, 255
Decimal	11920383
CIELab	87.96, -8.55, -18.41
CIELCh	88, 20.302, 245.096
Yxy	71.9819, 0.2672, 0.2979
Android (android.graphics.Color)	4290110463 (0xFFB5E3FF)
YUV	216.4380, 19.0111, -31.0791
Hunter-Lab	84.8421, -12.6137, -14.0560

Details

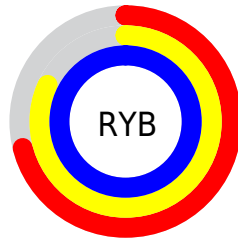
The XYZ color **64.5751, 71.9819, 105.0982** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.3810, 70.1967, 53.4522**, and the grayscale version is **65.4627, 68.8718, 75.0014**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **33.5498, 38.0179, 58.9960** is the 20% darker color. If you saturate the color by 10%, you get **56.5693, 64.0483, 103.9888**, and if you desaturate by 10%, it is **73.8270, 80.7809, 106.3089**.

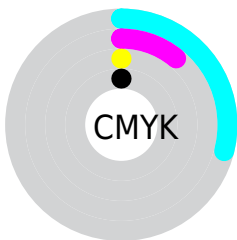
Distribution



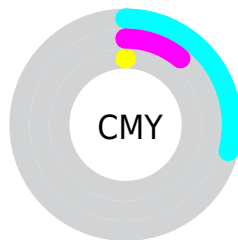
- Red (71%)
- Green (89%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5751, 71.9819, 105.0982 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 64.5751, 71.9819, 105.0982 by changing the saturation by 10% instead.

■ 64.5751, 71.9819,
105.0982

■ 64.5751, 71.9819,
105.0982

430.8329,
467.4786, 597.8029

■ 47.3800, 53.1439,
79.9245

■ 110.5079,
122.0308, 170.2586

■ 33.5454, 37.9177,
59.1304

139.9763,
154.0105, 211.0823

■ 22.7058, 25.9188,
42.2974

174.2666,
191.1395, 257.9598

■ 14.4959, 16.7629,
29.0069

213.7440,
233.8023, 311.3097

■ 8.5504, 10.0656,
18.8405

258.7740,
282.3832, 371.5504

■ 4.5039, 5.4425,
11.3794

309.7219,

■ 1.9909, 2.5091,

337.2666, 439.1004

6.2053

366.9531,
398.8369, 514.3785

■ 0.6289, 0.8812,
2.8995

■ 0.0000, 0.0000,
1.0435

■ 64.5751, 71.9819,
105.0982

■ 64.5751, 71.9819,
105.0982

■ 56.5693, 64.0483,
103.9888

■ 73.8270, 80.7809,
106.3089

■ 49.7414, 56.9361,
102.9759

■ 84.3767, 90.4702,
107.6231

■ 44.0257, 50.6096,
102.0560

95.0500, 100.0000,
108.9000

■ 39.3465, 45.0260,
101.2248

■ 35.6181, 40.1372,
100.4777

■ 32.7391, 35.8871,
99.8091

■ 30.5607, 32.1948,
99.2112

■ 30.3665, 31.8529,
99.1555

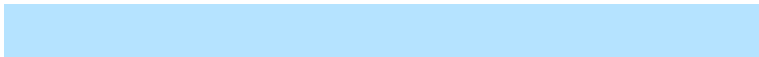
Harmonies

Analogous

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



61.0868, 71.9819, 94.7070



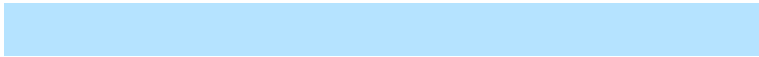
64.5751, 71.9819, 105.0982



69.2460, 71.9819, 108.0078

Triad

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



64.5751, 71.9819, 105.0982



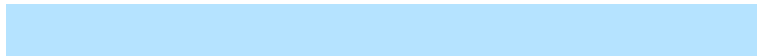
78.1032, 71.9819, 76.0340



63.2082, 71.9819, 58.5432

Complementary

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



64.5751, 71.9819, 105.0982



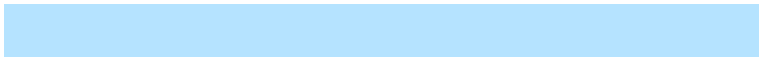
72.3810, 70.1967, 53.4522

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.



67.5939, 71.9819, 54.7296



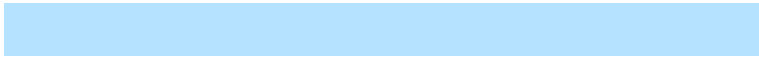
64.5751, 71.9819, 105.0982



76.3105, 71.9819, 64.0395

Square

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



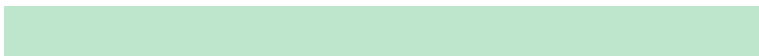
64.5751, 71.9819, 105.0982



77.2024, 71.9819, 90.1339



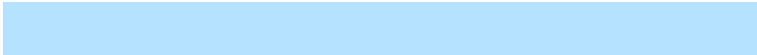
72.4076, 71.9819, 56.6171



60.3241, 71.9819, 67.6880

Rectangle

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



64.5751, 71.9819, 105.0982



72.4371, 71.9819, 105.0521



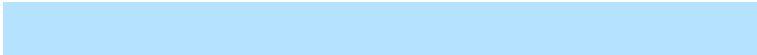
72.4076, 71.9819, 56.6171



64.5478, 71.9819, 56.6476

Sweetspot

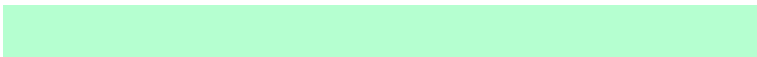
The Sweet Spot groups the original color and five complimentary colors.



64.5771, 71.9847, 105.0986



84.3973, 90.4888, 107.6256



66.2186, 85.9049, 72.8531



17.7181, 19.0544, 22.9940



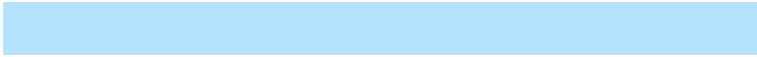
0.0000, 0.0000, 0.0000



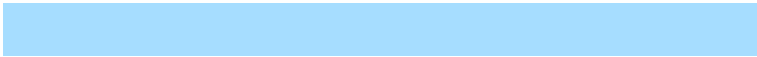
20.3446, 21.4041, 23.3091

Same Dimension

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



64.5771, 71.9847, 105.0986



59.6417, 67.1363, 104.4229



55.7092, 54.2488, 102.1426



17.9437, 19.2590, 23.0216



16.0156, 16.9408, 51.8604



1.6647, 1.8602, 5.0846

Inverse Universe

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



71.6303, 59.8553, 80.4541



67.9131, 53.6745, 75.3506



82.2737, 89.9821, 56.7498



18.4842, 18.1770, 21.1671



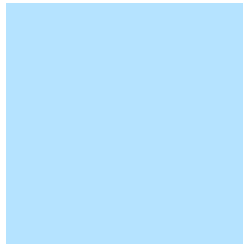
24.8721, 12.4382, 18.5090



2.4749, 1.2323, 2.0822

Previews

White Background



This preview shows how the XYZ color 64.5751, 71.9819, 105.0982 looks on a white background.

Color Contrast Check

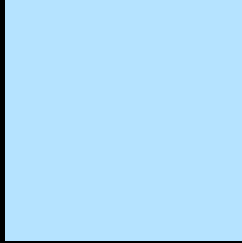
Large Text (above 18pt) WCAG AA × Fail

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 64.5751, 71.9819, 105.0982 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 64.5751, 71.9819, 105.0982

Background



This preview shows how black text looks on a background with the XYZ color 64.5751, 71.9819, 105.0982.



This preview shows how white text looks on a background with the XYZ color 64.5751, 71.9819,

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

64.5751, 71.9819, 105.0982

Protanopia

70.1946, 71.4294, 99.7101

Deuteranopia

72.7819, 71.5089, 104.5743



Tritanopia

63.1223, 71.7859, 98.5249

Trichromacy



Original Color

64.5751, 71.9819, 105.0982

Protanomaly

67.8976, 71.3744, 101.4648

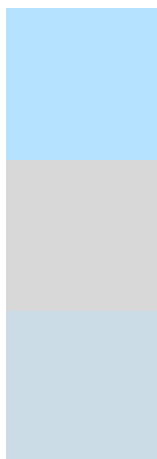
Deuteranomaly

69.3939, 71.2929, 104.7112

Tritanomaly

63.8211, 72.0922, 100.9939

Monochromacy



Original Color

64.5751, 71.9819, 105.0982

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.5047, 69.5961, 84.8965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5751, 71.9819, 105.0982 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(181, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.5751, 71.9819, 105.0982 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(181, 227, 255) }
```


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

```
.border{ border-color:rgb(181, 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(181, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5751, 71.9819, 105.0982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 227, 255) }
```

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

```
.background{ background-color: rgb(181,  
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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