

Converting Colors

XYZ(66.2245, 71.6052,
115.4933)

Have a look what the booklet for
XYZ(66.2245, 71.6052, 115.4933)
contains.

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Color

**XYZ(64.2666, 71.0155,
104.9279)**

Conversions

Conversions Part 1

Format	Color
Hex	B6E1FF
RGB	182, 225, 255
RGB Percent	71%, 88%, 100%
CMY	0.2863, 0.1176, 0.0000
CMYK	0.29, 0.12, 0.00, 0.00
HSL	205°, 100%, 86%
HSV	205°, 29%, 100%
XYZ	64.2666, 71.0155, 104.9279
YIQ	215.5630, -35.2580, 0.2140

Conversions

Conversions Part 2

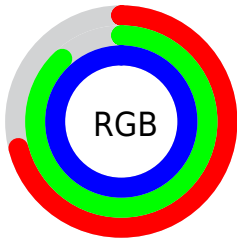
Format	Color
R_{YB}	182, 209, 255
Decimal	11985407
CIE _{Lab}	87.49, -7.24, -19.11
CIE _{LCh}	87, 20.437, 249.265
Yxy	71.0155, 0.2675, 0.2956
Android (android.graphics.Color)	4290175487 (0xFFB6E1FF)
YUV	215.5630, 19.4424, -29.4348
Hunter-Lab	84.2707, -11.3459, -14.8342

Details

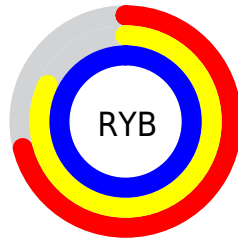
The XYZ color **64.2666, 71.0155, 104.9279** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.2271, 71.7240, 54.2424**, and the grayscale version is **64.8640, 68.2420, 74.3155**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **33.3202, 37.3387, 58.8770** is the 20% darker color. If you saturate the color by 10%, you get **56.0378, 62.6980, 103.7562**, and if you desaturate by 10%, it is **73.7697, 80.2515, 106.2097**.

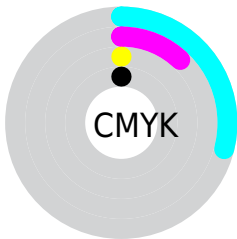
Distribution



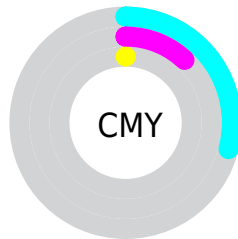
- Red (71%)
- Green (88%)
- Blue (100%)



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



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2666, 71.0155, 104.9279 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 64.2666, 71.0155, 104.9279 by changing the saturation by 10% instead.

■ 64.2666, 71.0155,
104.9279

■ 64.2666, 71.0155,
104.9279

429.7387,
464.1076, 597.2602

■ 47.1291, 52.3548,
79.7826

■ 110.0664,
120.6558, 170.0236

■ 33.3461, 37.2880,
59.0144

139.4594,
152.4042, 210.8112

■ 22.5522, 25.4306,
42.2046

173.6683,
189.2840, 257.6499

■ 14.3821, 16.3981,
28.9348

213.0585,
231.6796, 310.9584

■ 8.4704, 9.8063,
18.7863

257.9952,
279.9754, 371.1551

■ 4.4517, 5.2707,
11.3407

308.8440,

■ 1.9607, 2.4070,

334.5557, 438.6586

6.1795

365.9700,
395.8050, 513.8874

■ 0.6118, 0.8295,
2.8840

■ 0.0000, 0.0000,
1.0357

■ 64.2666, 71.0155,
104.9279

■ 64.2666, 71.0155,
104.9279

■ 56.0378, 62.6980,
103.7562

■ 73.7697, 80.2515,
106.2097

■ 49.0147, 55.2539,
102.6895

■ 84.5993, 90.4321,
107.6040

■ 43.1310, 48.6458,
101.7241

95.0500, 100.0000,
108.9000

■ 38.3107, 42.8300,
100.8556

■ 34.4678, 37.7569,
100.0789

■ 31.5007, 33.3691,
99.3884

■ 29.2662, 29.5874,
98.7762

■ 28.9908, 29.1016,
98.6969

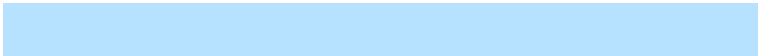
Harmonies

Analogous

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



60.5674, 71.0155, 95.3875



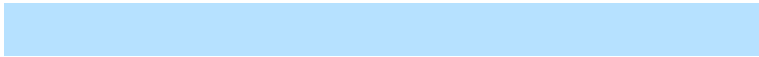
64.2666, 71.0155, 104.9279



69.0027, 71.0155, 106.6214

Triad

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



64.2666, 71.0155, 104.9279



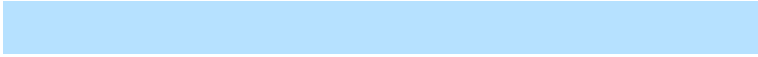
77.0742, 71.0155, 73.1247



61.7953, 71.0155, 58.5239

Complementary

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



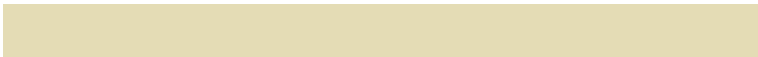
64.2666, 71.0155, 104.9279



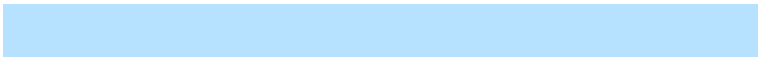
73.2271, 71.7240, 54.2424

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.



66.0155, 71.0155, 53.9544



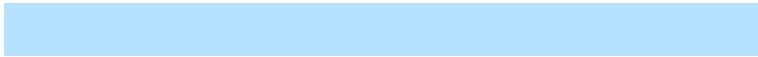
64.2666, 71.0155, 104.9279



74.9383, 71.0155, 61.6980

Square

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



64.2666, 71.0155, 104.9279



76.5512, 71.0155, 87.1169



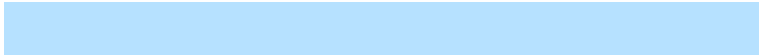
70.8362, 71.0155, 55.0428



59.1885, 71.0155, 68.2936

Rectangle

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



64.2666, 71.0155, 104.9279



72.1354, 71.0155, 102.8942



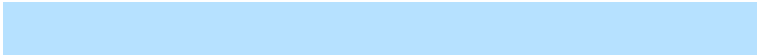
70.8362, 71.0155, 55.0428



63.0639, 71.0155, 56.3850

Sweetspot

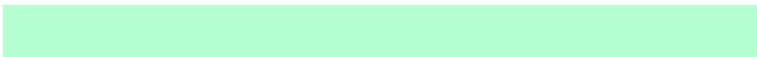
The Sweet Spot groups the original color and five complimentary colors.



64.2686, 71.0182, 104.9283



84.1699, 90.0341, 107.5498



66.8354, 86.1788, 74.8724



17.6620, 18.9422, 22.9753



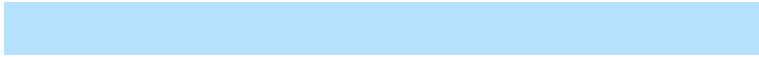
0.0000, 0.0000, 0.0000



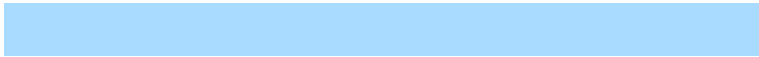
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2686, 71.0182, 104.9283



59.6914, 66.4359, 104.2851



55.6050, 53.6912, 102.0405



17.8924, 19.1565, 23.0045



15.2990, 15.5075, 51.6215



1.5972, 1.7252, 5.0621

Inverse Universe

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



71.5598, 60.1537, 79.0765



68.1335, 54.5103, 74.2064



83.1592, 91.5882, 57.5531



18.4584, 18.1667, 21.0308



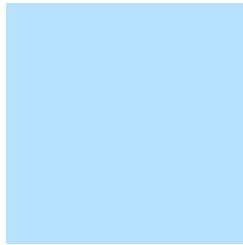
24.5104, 12.2935, 16.6042



2.4408, 1.2187, 1.9028

Previews

White Background



This preview shows how the XYZ color 64.2666, 71.0155, 104.9279 looks on a white background.

Color Contrast Check

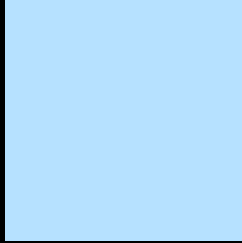
Large Text (above 18pt) WCAG AA × Fail

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 64.2666, 71.0155, 104.9279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

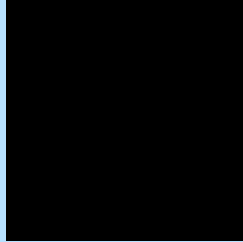
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

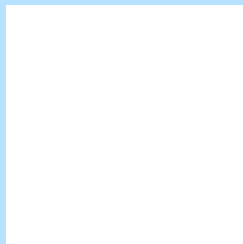
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2666, 71.0155, 104.9279

Background



This preview shows how black text looks on a background with the XYZ color 64.2666, 71.0155, 104.9279.

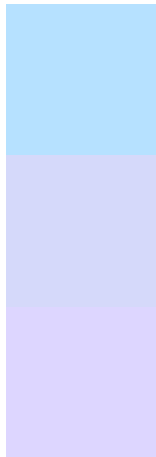


This preview shows how white text looks on a background with the XYZ color 64.2666, 71.0155,

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

64.2666, 71.0155, 104.9279

Protanopia

69.5087, 70.6740, 100.4204

Deuteranopia

71.9154, 70.6853, 104.4610



Tritanopia

62.7729, 71.2340, 96.8273

Trichromacy



Original Color

64.2666, 71.0155, 104.9279

Protanomaly

67.5210, 70.7712, 102.1969

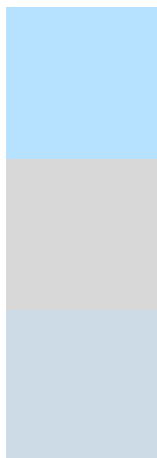
Deuteranomaly

68.8535, 70.6282, 104.6114

Tritanomaly

63.3513, 71.0560, 99.9987

Monochromacy



Original Color

64.2666, 71.0155, 104.9279

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.5163, 69.2136, 84.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2666, 71.0155, 104.9279 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(182, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.2666, 71.0155, 104.9279 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(182, 225, 255) }
```


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

```
.border{ border-color:rgb(182, 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(182, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2666, 71.0155, 104.9279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 225, 255) }
```

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

```
.background{ background-color: rgb(182,  
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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