

Converting Colors

XYZ(62.8154, 68.4395,
104.5072)

Have a look what the booklet for
XYZ(62.8154, 68.4395, 104.5072)
contains.

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Color

**XYZ(62.6993, 68.2302,
104.4729)**

Conversions

Conversions Part 1

Format	Color
Hex	B5DCFF
RGB	181, 220, 255
RGB Percent	71%, 86%, 100%
CMY	0.2902, 0.1372, 0.0000
CMYK	0.29, 0.14, 0.00, 0.00
HSL	208°, 100%, 85%
HSV	208°, 29%, 100%
XYZ	62.6993, 68.2302, 104.4729
YIQ	212.3290, -34.4790, 2.6170

Conversions

Conversions Part 2

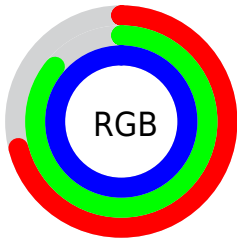
Format	Color
R_{YB}	181, 207, 255
Decimal	11918591
CIE _{Lab}	86.12, -4.92, -21.19
CIE _{LCh}	86, 21.755, 256.922
Yxy	68.2302, 0.2663, 0.2898
Android (android.graphics.Color)	4290108671 (0xFFB5DCFF)
YUV	212.3290, 21.0368, -27.4755
Hunter-Lab	82.6016, -9.0611, -17.1678

Details

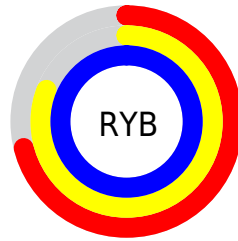
The XYZ color **62.6993, 68.2302, 104.4729** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.1365, 73.7077, 54.0375**, and the grayscale version is **62.6806, 65.9449, 71.8140**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **32.2524, 35.4231, 58.5635** is the 20% darker color. If you saturate the color by 10%, you get **54.2067, 59.3231, 103.2012**, and if you desaturate by 10%, it is **72.5183, 78.1634, 105.8727**.

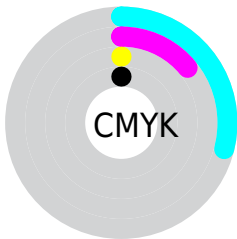
Distribution



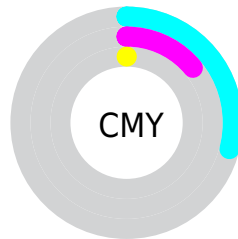
- Red (71%)
- Green (86%)
- Blue (100%)



- Red (71%)
- Yellow (81%)
- Blue (100%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6993, 68.2302, 104.4729 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 62.6993, 68.2302, 104.4729 by changing the saturation by 10% instead.

■ 62.6993, 68.2302,
104.4729

■ 62.6993, 68.2302,
104.4729

424.1544,
454.3112, 595.8087

■ 45.8557, 50.0850,
79.4036

■ 107.8198,
116.6814, 169.3958

■ 32.3361, 35.4810,
58.7045

136.8275,
147.7562, 210.0865

■ 21.7752, 24.0336,
41.9568

170.6206,
183.9097, 256.8215

■ 13.8075, 15.3586,
28.7422

209.5644,
225.5263, 310.0192

■ 8.0677, 9.0714,
18.6420

254.0243,
272.9903, 370.0983

■ 4.1905, 4.7878,
11.2377

304.3657,

■ 1.8104, 2.1233,

326.6862, 437.4772

6.1107

360.9540,
386.9984, 512.5745

■ 0.5239, 0.6777,
2.8427

■ 0.0000, 0.0000,
1.0149

■ 62.6993, 68.2302,
104.4729

■ 62.6993, 68.2302,
104.4729

■ 54.2067, 59.3231,
103.2012

■ 72.5183, 78.1634,
105.8727

■ 46.9703, 51.3938,
102.0521

■ 83.7179, 89.1525,
107.4035

■ 40.9216, 44.4014,
101.0213

95.0500, 100.0000,
108.9000

■ 35.9825, 38.2979,
100.1035

■ 32.0645, 33.0299,
99.2932

■ 29.0633, 28.5355,
98.5838

■ 26.8271, 24.7278,
97.9667

■ 26.6306, 24.3812,
97.9102

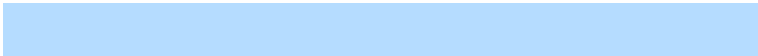
Harmonies

Analogous

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



58.5027, 68.2302, 96.2757



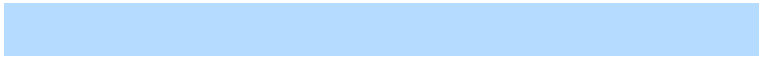
62.6993, 68.2302, 104.4729



67.6901, 68.2302, 103.8738

Triad

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



62.6993, 68.2302, 104.4729



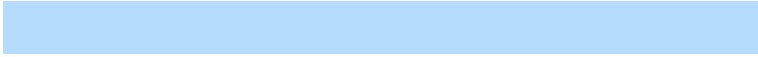
74.4917, 68.2302, 66.5602



58.0778, 68.2302, 57.0255

Complementary

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



62.6993, 68.2302, 104.4729



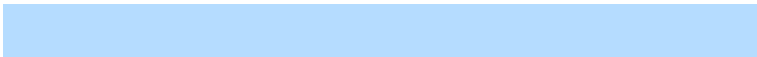
74.1365, 73.7077, 54.0375

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.



62.0920, 68.2302, 50.9370



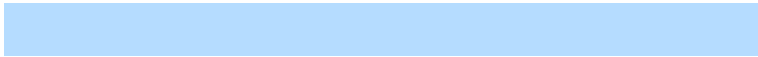
62.6993, 68.2302, 104.4729



71.6422, 68.2302, 55.9372

Square

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



62.6993, 68.2302, 104.4729



74.6750, 68.2302, 80.6980



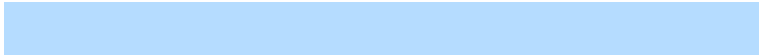
67.0509, 68.2302, 50.5661



55.9283, 68.2302, 68.2326

Rectangle

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



62.6993, 68.2302, 104.4729



70.8003, 68.2302, 98.5527



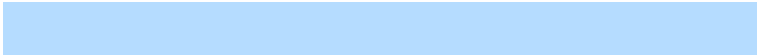
67.0509, 68.2302, 50.5661



59.2442, 68.2302, 54.3788

Sweetspot

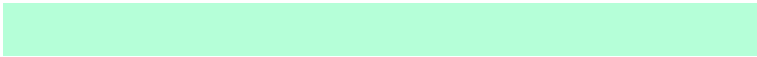
The Sweet Spot groups the original color and five complimentary colors.



62.7012, 68.2328, 104.4733



83.7396, 89.1735, 107.4064



67.1515, 86.2780, 77.7652



17.5560, 18.7301, 22.9399



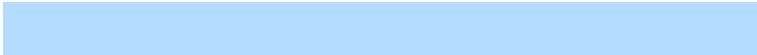
0.0000, 0.0000, 0.0000



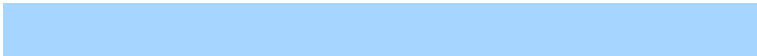
20.3446, 21.4041, 23.3091

Same Dimension

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



62.7012, 68.2328, 104.4733



57.4651, 62.7831, 103.6974



54.1375, 51.1054, 101.6187



17.7955, 18.9626, 22.9722



14.0659, 13.0413, 51.2105



1.4790, 1.4887, 5.0227

Inverse Universe

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



70.6834, 59.4767, 75.4678



66.8144, 53.2351, 69.5652



84.5590, 94.5527, 57.5117



18.4094, 18.1471, 20.7731



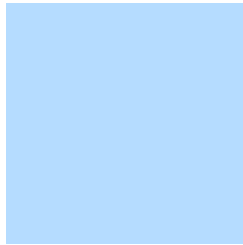
23.8880, 12.0445, 13.3266



2.3811, 1.1948, 1.5884

Previews

White Background



This preview shows how the XYZ color 62.6993, 68.2302, 104.4729 looks on a white background.

Color Contrast Check

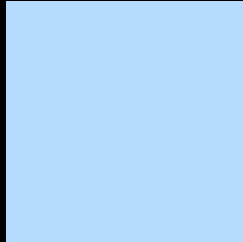
Large Text (above 18pt) WCAG AA × Fail

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 62.6993, 68.2302, 104.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

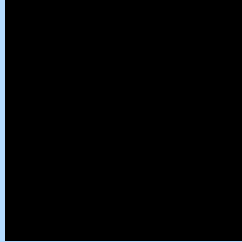
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

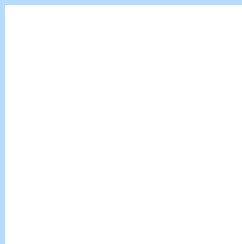
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.6993, 68.2302, 104.4729

Background



This preview shows how black text looks on a background with the XYZ color 62.6993, 68.2302, 104.4729.



This preview shows how white text looks on a background with the XYZ color 62.6993, 68.2302,

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

62.6993, 68.2302, 104.4729

Protanopia

67.0620, 67.9005, 100.0140

Deuteranopia

69.1209, 67.7603, 104.0437



Tritanopia

60.2095, 67.9988, 92.3898

Trichromacy



Original Color

62.6993, 68.2302, 104.4729

Protanomaly

65.4153, 68.1458, 101.8012

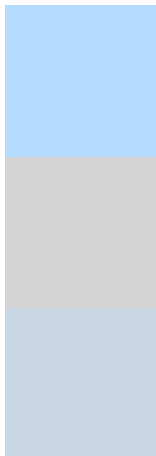
Deuteranomaly

66.7252, 68.0096, 104.2181

Tritanomaly

60.9283, 67.8892, 96.2789

Monochromacy



Original Color

62.6993, 68.2302, 104.4729

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.3914, 66.6198, 82.9693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6993, 68.2302, 104.4729 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, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 220, 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, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.6993, 68.2302, 104.4729 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, 220, 255) }
```


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

```
.border{ border-color:rgb(181, 220, 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, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6993, 68.2302, 104.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 220, 255) }
```

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

```
.background{ background-color: rgb(181,  
220, 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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