

Converting Colors

XYZ(62.8645, 70.4520,
104.8930)

Have a look what the booklet for
XYZ(62.8645, 70.4520, 104.8930)
contains.

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Color

**XYZ(62.6544, 70.1844,
104.8524)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE1FF
RGB	175, 225, 255
RGB Percent	69%, 88%, 100%
CMY	0.3137, 0.1176, 0.0000
CMYK	0.31, 0.12, 0.00, 0.00
HSL	202°, 100%, 84%
HSV	202°, 31%, 100%
XYZ	62.6544, 70.1844, 104.8524
YIQ	213.4700, -39.4300, -1.2700

Conversions

Conversions Part 2

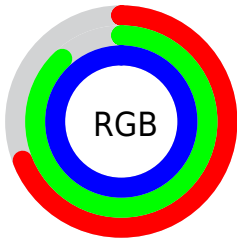
Format	Color
RYB	175, 206, 255
Decimal	11526655
CIELab	87.09, -9.19, -19.76
CIELCh	87, 21.796, 245.064
Yxy	70.1844, 0.2636, 0.2953
Android (android.graphics.Color)	4289716735 (0xFFAFE1FF)
YUV	213.4700, 20.4743, -33.7382
Hunter-Lab	83.7761, -13.1118, -15.5628

Details

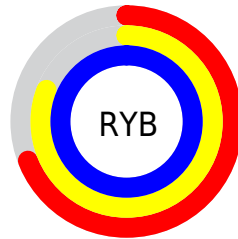
The XYZ color **62.6544, 70.1844, 104.8524** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.8094, 68.0176, 49.9559**, and the grayscale version is **63.4482, 66.7525, 72.6934**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **32.3135, 36.8197, 58.8299** is the 20% darker color. If you saturate the color by 10%, you get **54.9498, 62.4837, 103.7721**, and if you desaturate by 10%, it is **71.5883, 78.7371, 106.0324**.

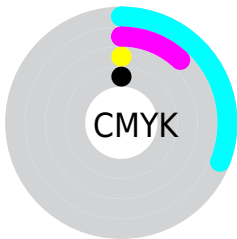
Distribution



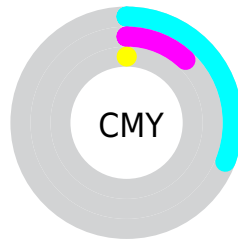
- Red (69%)
- Green (88%)
- Blue (100%)



- Red (69%)
- Yellow (81%)
- Blue (100%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6544, 70.1844, 104.8524 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 62.6544, 70.1844, 104.8524 by changing the saturation by 10% instead.

■ 62.6544, 70.1844,
104.8524

■ 62.6544, 70.1844,
104.8524

423.9938,
461.1972, 597.0194

■ 45.8193, 51.6769,
79.7197

■ 107.7554,
119.4717, 169.9195

■ 32.3073, 36.7476,
58.9629

136.7519,
151.0202, 210.6910

■ 21.7530, 25.0121,
42.1635

170.5330,
187.6846, 257.5125

■ 13.7911, 16.0861,
28.9028

209.4640,
229.8491, 310.8026

■ 8.0562, 9.5851,
18.7624

253.9102,
277.8983, 370.9798

■ 4.1831, 5.1247,
11.3236

304.2370,

■ 1.8062, 2.3206,

332.2164, 438.4626

6.1680

360.8097,
393.1879, 513.6697

■ 0.5214, 0.7846,
2.8771

■ 0.0000, 0.0000,
1.0322

■ 62.6544, 70.1844,
104.8524

■ 62.6544, 70.1844,
104.8524

■ 54.9498, 62.4837,
103.7721

■ 71.5883, 78.7371,
106.0324

■ 48.4054, 55.5907,
102.7866

■ 81.8042, 88.1674,
107.3142

■ 42.9536, 49.4689,
101.8923

■ 93.3585, 98.5092,
108.7014

■ 38.5169, 44.0746,
101.0849

■ 95.0500, 100.0000,
108.9000

■ 35.0066, 39.3583,
100.3596

■ 32.3163, 35.2612,
99.7106

■ 30.5143, 32.1486,
99.2048

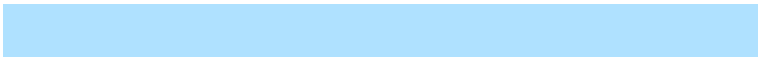
Harmonies

Analogous

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



58.9914, 70.1844, 93.7350



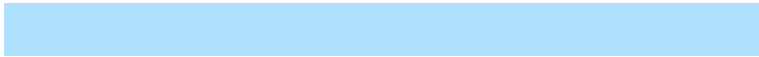
62.6544, 70.1844, 104.8524



67.5784, 70.1844, 107.9837

Triad

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



62.6544, 70.1844, 104.8524



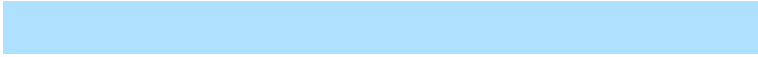
76.9721, 70.1844, 73.9640



61.2260, 70.1844, 55.6396

Complementary

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



62.6544, 70.1844, 104.8524



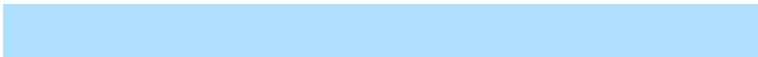
70.8094, 68.0176, 49.9559

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.



65.8454, 70.1844, 51.6959



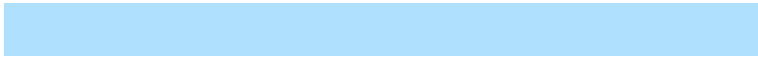
62.6544, 70.1844, 104.8524



75.0702, 70.1844, 61.3786

Square

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



62.6544, 70.1844, 104.8524



76.0116, 70.1844, 88.8954



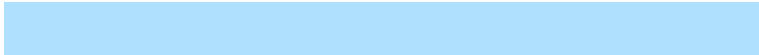
70.9331, 70.1844, 53.6552



58.1966, 70.1844, 65.1680

Rectangle

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



62.6544, 70.1844, 104.8524



70.9539, 70.1844, 104.8196



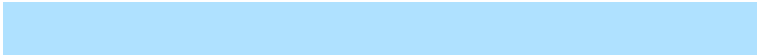
70.9331, 70.1844, 53.6552



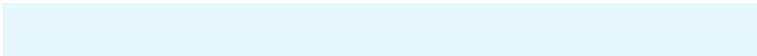
62.6353, 70.1844, 53.6762

Sweetspot

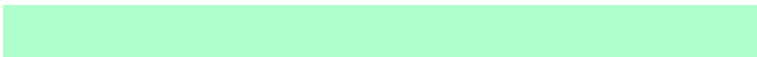
The Sweet Spot groups the original color and five complimentary colors.



62.6564, 70.1871, 104.8529



84.4209, 90.5360, 107.6335



64.3794, 85.0101, 70.3534



17.7240, 19.0660, 22.9959



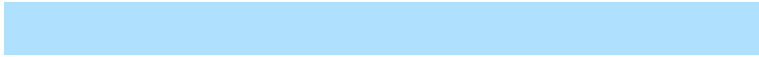
0.0000, 0.0000, 0.0000



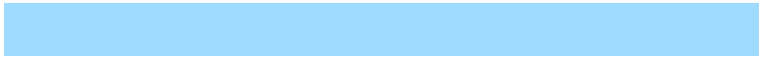
20.3446, 21.4041, 23.3091

Same Dimension

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



62.6564, 70.1871, 104.8529



57.4147, 64.9882, 104.1256



53.2194, 51.3132, 101.7072



17.9490, 19.2696, 23.0233



16.0926, 17.0947, 51.8860



1.6719, 1.8746, 5.0870

Inverse Universe

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



70.1618, 57.3578, 78.6104



66.2262, 50.8447, 73.1111



81.4294, 89.2577, 53.4959



18.4869, 18.1781, 21.1812



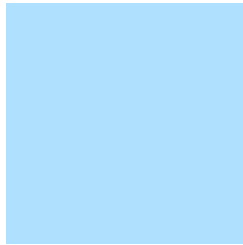
24.9110, 12.4537, 18.7136



2.4785, 1.2338, 2.1013

Previews

White Background



This preview shows how the XYZ color 62.6544, 70.1844, 104.8524 looks on a white background.

Color Contrast Check

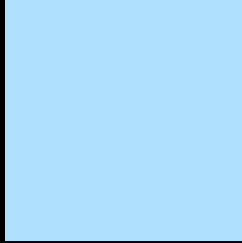
Large Text (above 18pt) WCAG AA × Fail

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 62.6544, 70.1844, 104.8524 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

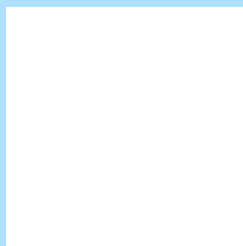
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.6544, 70.1844, 104.8524

Background



This preview shows how black text looks on a background with the XYZ color 62.6544, 70.1844, 104.8524.

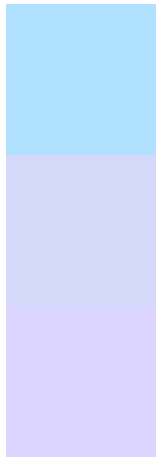


This preview shows how white text looks on a background with the XYZ color 62.6544, 70.1844,

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

62.6544, 70.1844, 104.8524

Protanopia

68.8061, 69.9483, 99.4974

Deuteranopia

71.0577, 69.8686, 104.3486



Tritanopia

61.1841, 70.4150, 96.7529

Trichromacy



Original Color

62.6544, 70.1844, 104.8524

Protanomaly

66.2973, 69.7702, 101.2395

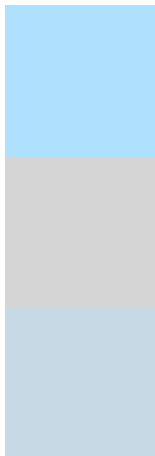
Deuteranomaly

67.4915, 69.5422, 104.4736

Tritanomaly

61.7508, 70.2309, 99.9238

Monochromacy



Original Color

62.6544, 70.1844, 104.8524

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.3696, 67.3693, 83.1151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6544, 70.1844, 104.8524 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(175, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.6544, 70.1844, 104.8524 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(175, 225, 255) }
```


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

```
.border{ border-color:rgb(175, 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(175, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6544, 70.1844, 104.8524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 225, 255) }
```

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

```
.background{ background-color: rgb(175,  
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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