

Converting Colors

XYZ(64.7545, 72.9130,
102.7383)

Have a look what the booklet for
XYZ(64.7545, 72.9130, 102.7383)
contains.

XYZ(64.8814, 73.0120, 102.7686)	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(64.8814, 73.0120,
102.7686)**

Conversions

Conversions Part 1

Format	Color
Hex	B6E5FC
RGB	182, 229, 252
RGB Percent	71%, 90%, 99%
CMY	0.2863, 0.1019, 0.0118
CMYK	0.28, 0.09, 0.00, 0.01
HSL	200°, 92%, 85%
HSV	200°, 28%, 99%
XYZ	64.8814, 73.0120, 102.7686
YIQ	217.5690, -35.3950, -2.8110

Conversions

Conversions Part 2

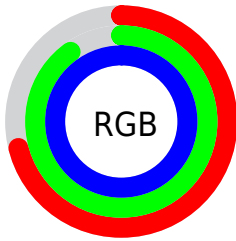
Format	Color
R _Y B	182, 210, 252
Decimal	11986428
CIE Lab	88.45, -9.98, -16.09
CIE LCh	88, 18.937, 238.187
Yxy	73.0120, 0.2696, 0.3034
Android (android.graphics.Color)	4290176508 (0xFFB6E5FC)
YUV	217.5690, 16.9745, -31.1940
Hunter-Lab	85.4471, -13.9943, -11.4961

Details

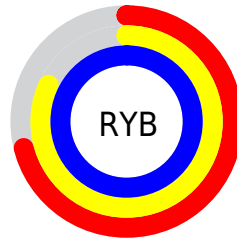
The XYZ color **64.8814, 73.0120, 102.7686** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4206, 67.7360, 53.6205**, and the grayscale version is **66.2501, 69.7002, 75.9036**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **33.7388, 38.7243, 57.3261** is the 20% darker color. If you saturate the color by 10%, you get **57.2211, 65.7446, 101.7708**, and if you desaturate by 10%, it is **73.7263, 81.0558, 103.8563**.

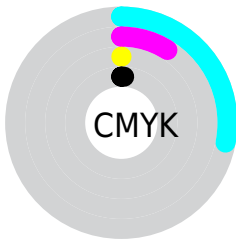
Distribution



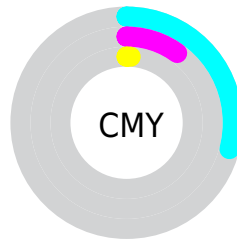
- Red (71%)
- Green (90%)
- Blue (99%)



- Red (71%)
- Yellow (82%)
- Blue (99%)



- Cyan (28%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8814, 73.0120, 102.7686 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 64.8814, 73.0120, 102.7686 by changing the saturation by 10% instead.

64.8814, 73.0120,
102.7686

64.8814, 73.0120,
102.7686

431.9176,
471.0564, 590.3554

47.6293, 53.9858,
77.9850

110.9460,
123.4942, 167.0417

33.7434, 38.5903,
57.5453

140.4891,
155.7191, 207.3682

22.8585, 26.4411,
41.0309

174.8600,
193.1122, 253.7128

14.6092, 17.1540,
28.0234

214.4240,
236.0580, 306.4939

8.6301, 10.3443,
18.1041

259.5463,
284.9410, 366.1302

4.5559, 5.6278,
10.8545

310.5925,

2.0212, 2.6201,

340.1454, 433.0402

5.8562

367.9278,
402.0558, 507.6424

■ 0.6458, 0.9368,
2.6904

■ 0.0000, 0.0000,
0.9386

■ 64.8814, 73.0120,
102.7686

■ 64.8814, 73.0120,
102.7686

■ 57.2211, 65.7446,
101.7708

■ 73.7263, 81.0558,
103.8563

■ 50.6798, 59.2122,
100.8547

■ 83.8037, 89.8977,
105.0318

■ 45.1953, 53.3824,
100.0185

■ 94.2026, 99.0718,
106.2545

■ 40.6963, 48.2159,
99.2584

■ 94.5709, 99.8084,
106.3772

■ 37.1016, 43.6686,
98.5701

■ 34.3162, 39.6890,
97.9488

■ 32.2134, 36.2093,
97.3880

■ 31.7979, 35.4824,
97.2696

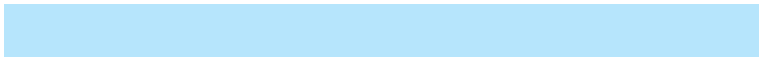
Harmonies

Analogous

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



61.9604, 73.0120, 91.9410



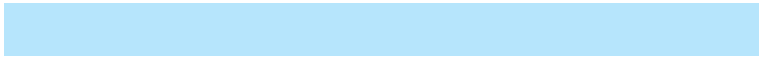
64.8814, 73.0120, 102.7686



69.1190, 73.0120, 107.2891

Triad

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



64.8814, 73.0120, 102.7686



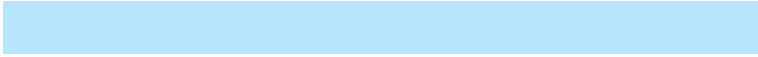
78.5207, 73.0120, 80.2938



65.3413, 73.0120, 59.3794

Complementary

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



64.8814, 73.0120, 102.7686



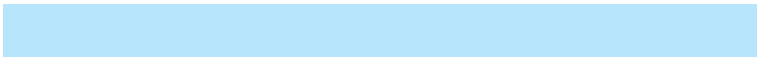
70.4206, 67.7360, 53.6205

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.



69.6731, 73.0120, 56.9747



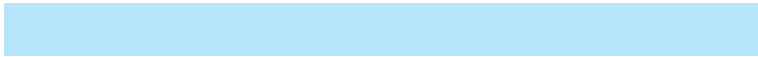
64.8814, 73.0120, 102.7686



77.4033, 73.0120, 68.2309

Square

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



64.8814, 73.0120, 102.7686



77.1057, 73.0120, 93.4636



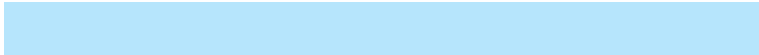
74.1147, 73.0120, 60.0350



62.2176, 73.0120, 66.9973

Rectangle

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



64.8814, 73.0120, 102.7686



72.1647, 73.0120, 105.7816



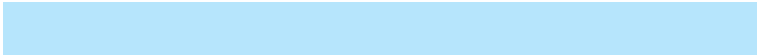
74.1147, 73.0120, 60.0350



66.6984, 73.0120, 57.9737

Sweetspot

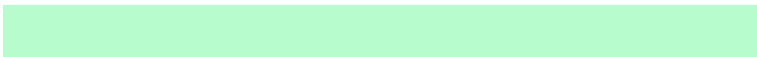
The Sweet Spot groups the original color and five complimentary colors.



64.8836, 73.0149, 102.7703



85.8381, 92.1323, 107.8669



65.0224, 83.9350, 70.0073



18.0225, 19.4165, 23.0478



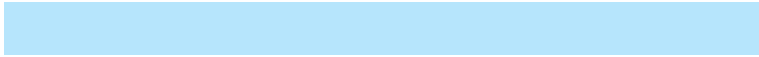
0.0000, 0.0000, 0.0000



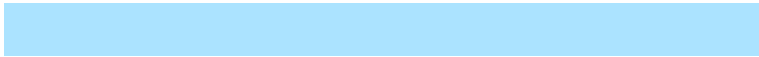
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8836, 73.0149, 102.7703



62.3778, 70.9929, 105.0231



56.3415, 55.9307, 99.9229



17.2572, 18.5911, 22.0642



16.7041, 18.7638, 50.7149



1.6439, 1.9314, 4.7293

Inverse Universe

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



71.0175, 59.8103, 81.9335



69.6886, 55.8948, 80.0450



79.5051, 85.9050, 56.6486



17.7363, 17.4219, 20.4673



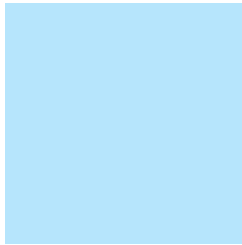
24.7235, 12.3051, 21.0501



2.3387, 1.1592, 2.2069

Previews

White Background



This preview shows how the XYZ color 64.8814, 73.0120, 102.7686 looks on a white background.

Color Contrast Check

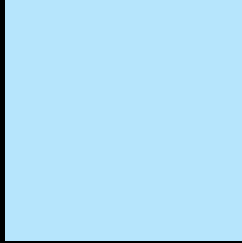
Large Text (above 18pt) WCAG AA × Fail

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 64.8814, 73.0120, 102.7686 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 64.8814, 73.0120, 102.7686

Background



This preview shows how black text looks on a background with the XYZ color 64.8814, 73.0120, 102.7686.

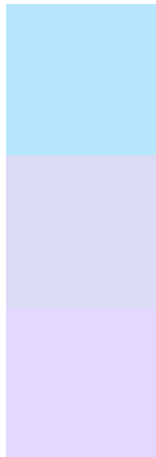


This preview shows how white text looks on a background with the XYZ color 64.8814, 73.0120,

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

64.8814, 73.0120, 102.7686

Protanopia

71.1412, 72.7456, 97.4805

Deuteranopia

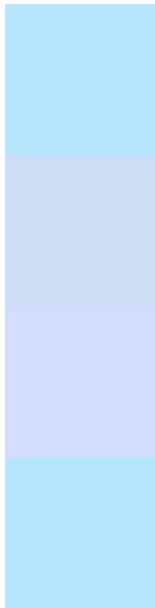
74.2844, 72.6626, 104.7178



Tritanopia

64.2961, 73.1947, 99.5462

Trichromacy



Original Color

64.8814, 73.0120, 102.7686

Protanomaly

68.5078, 72.5318, 99.1962

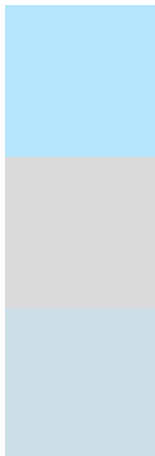
Deuteranomaly

70.6098, 72.7175, 104.0803

Tritanomaly

64.4518, 73.2569, 100.3656

Monochromacy



Original Color

64.8814, 73.0120, 102.7686

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.5810, 70.9349, 85.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8814, 73.0120, 102.7686 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, 229, 252)` looks like.

```
.text, #text, p{  
    color:rgb(182, 229, 252)  
}
```

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, 229, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 229, 252) }
```

Border

The CSS property to change the border of an element to XYZ 64.8814, 73.0120, 102.7686 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, 229, 252) }
```


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

```
.border{ border-color:rgb(182, 229, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 229, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 229, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 229, 252);  
box-shadow:4px 4px 4px 4px rgb(182, 229,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8814, 73.0120, 102.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 229, 252) }
```

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

```
.background{ background-color: rgb(182,  
229, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor