

Converting Colors

XYZ(64.6753, 73.2270,
103.9115)

Have a look what the booklet for
XYZ(64.6753, 73.2270, 103.9115)
contains.

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Color

**XYZ(64.6168, 73.2692,
103.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	B3E6FD
RGB	179, 230, 253
RGB Percent	70%, 90%, 99%
CMY	0.2980, 0.0980, 0.0078
CMYK	0.29, 0.09, 0.00, 0.01
HSL	199°, 95%, 85%
HSV	199°, 29%, 99%
XYZ	64.6168, 73.2692, 103.6652
YIQ	217.3730, -37.7790, -3.6590

Conversions

Conversions Part 2

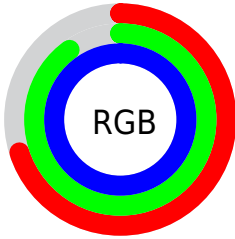
Format	Color
R _Y B	179, 209, 253
Decimal	11790077
CIE Lab	88.58, -11.11, -16.45
CIE LCh	89, 19.850, 235.965
Yxy	73.2692, 0.2675, 0.3033
Android (android.graphics.Color)	4289980157 (0xFFB3E6FD)
YUV	217.3730, 17.5641, -33.6531
Hunter-Lab	85.5974, -15.0473, -11.8866

Details

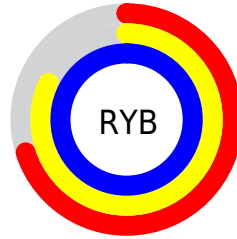
The XYZ color **64.6168, 73.2692, 103.6652** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7661, 66.3788, 51.7848**, and the grayscale version is **66.1128, 69.5558, 75.7462**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **33.4120, 38.5427, 57.9030** is the 20% darker color. If you saturate the color by 10%, you get **57.1587, 66.2507, 102.7048**, and if you desaturate by 10%, it is **73.2508, 81.0440, 104.7121**.

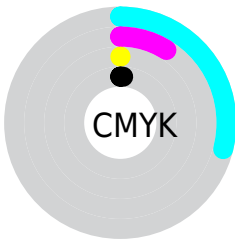
Distribution



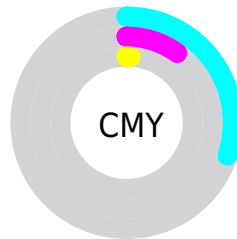
- Red (70%)
- Green (90%)
- Blue (99%)



- Red (70%)
- Yellow (82%)
- Blue (99%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (30%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6168, 73.2692, 103.6652 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 64.6168, 73.2692, 103.6652 by changing the saturation by 10% instead.

64.6168, 73.2692,
103.6652

64.6168, 73.2692,
103.6652

430.9806,
471.9473, 593.2276

47.4140, 54.1961,
78.7311

110.5675,
123.8593, 168.2806

33.5723, 38.7585,
58.1548

140.0461,
156.1451, 208.7990

22.7266, 26.5719,
41.5176

174.3474,
193.6039, 255.3493

14.5113, 17.2520,
28.4010

213.8366,
236.6202, 308.3500

8.5612, 10.4143,
18.3865

258.8792,
285.5782, 368.2196

4.5109, 5.6745,
11.0555

309.8405,

1.9950, 2.6482,

340.8625, 435.3767

5.9895

367.0859,
402.8574, 510.2399

■ 0.6312, 0.9509,
2.7700

■ 0.0000, 0.0000,
0.9784

■ 64.6168, 73.2692,
103.6652

■ 64.6168, 73.2692,
103.6652

■ 57.1587, 66.2507,
102.7048

■ 73.2508, 81.0440,
104.7121

■ 50.8099, 59.9469,
101.8227

■ 83.1095, 89.5967,
105.8433

■ 45.5068, 54.3249,
101.0170

■ 94.2470, 98.9590,
107.0634

■ 41.1764, 49.3450,
100.2841

■ 94.7299, 99.8719,
107.2142

■ 37.7355, 44.9623,
99.6195

■ 35.0853, 41.1238,
99.0182

■ 33.0769, 37.7507,
98.4730

■ 32.9383, 37.5089,
98.4336

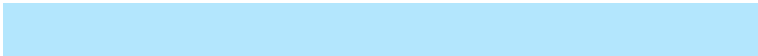
Harmonies

Analogous

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



61.6919, 73.2692, 91.8787



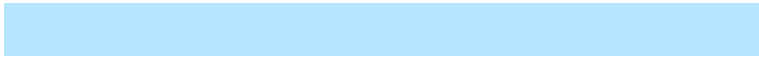
64.6168, 73.2692, 103.6652



68.9949, 73.2692, 109.0528

Triad

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



64.6168, 73.2692, 103.6652



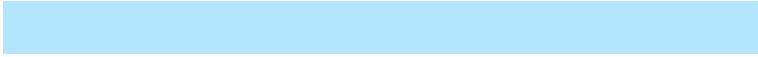
79.2265, 73.2692, 81.6460



65.6893, 73.2692, 58.3563

Complementary

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



64.6168, 73.2692, 103.6652



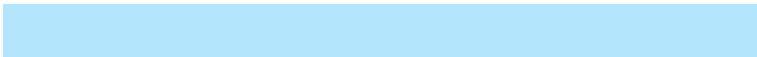
69.7661, 66.3788, 51.7848

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.



70.2895, 73.2692, 56.2753



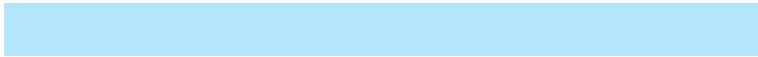
64.6168, 73.2692, 103.6652



78.2434, 73.2692, 68.7888

Square

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



64.6168, 73.2692, 103.6652



77.5459, 73.2692, 95.4521



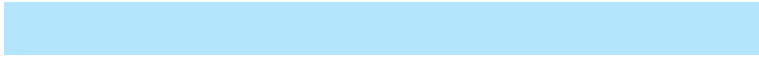
74.9174, 73.2692, 59.8743



62.2909, 73.2692, 65.9207

Rectangle

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



64.6168, 73.2692, 103.6652



72.2015, 73.2692, 107.8857



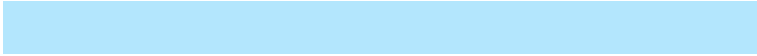
74.9174, 73.2692, 59.8743



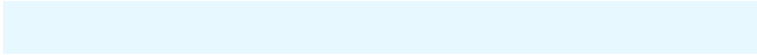
67.1402, 73.2692, 57.0323

Sweetspot

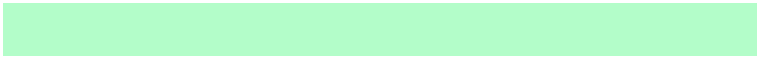
The Sweet Spot groups the original color and five complimentary colors.



64.6190, 73.2721, 103.6669



84.8717, 91.4376, 107.7838



64.2833, 84.0622, 68.2209



17.8353, 19.2887, 23.0330



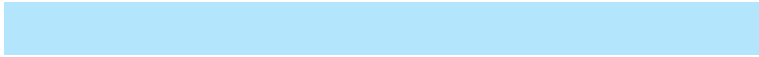
0.0000, 0.0000, 0.0000



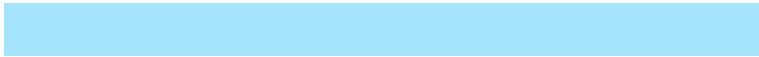
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6190, 73.2721, 103.6669



61.2646, 70.3822, 104.9639



55.5689, 55.1719, 100.6502



18.0507, 19.4730, 23.0572



17.6575, 20.2247, 52.4077



1.8167, 2.1641, 5.1352

Inverse Universe

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



70.9128, 58.8378, 82.4855



68.7323, 54.0022, 79.6645



79.2789, 85.4044, 54.9557



18.5382, 18.1986, 21.4514



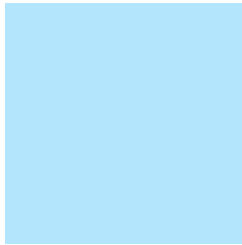
25.7009, 12.7697, 22.8733



2.5516, 1.2630, 2.4861

Previews

White Background



This preview shows how the XYZ color 64.6168, 73.2692, 103.6652 looks on a white background.

Color Contrast Check

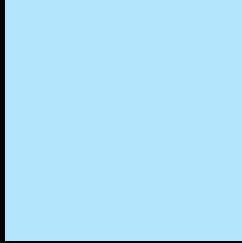
Large Text (above 18pt) WCAG AA × Fail

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 64.6168, 73.2692, 103.6652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

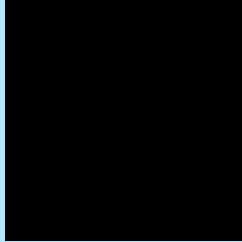
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6168, 73.2692, 103.6652

Background



This preview shows how black text looks on a background with the XYZ color 64.6168, 73.2692, 103.6652.



This preview shows how white text looks on a background with the XYZ color 64.6168, 73.2692,

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

64.6168, 73.2692, 103.6652

Protanopia

71.2951, 72.8072, 98.2912

Deuteranopia

74.2844, 72.6626, 104.7178



Tritanopia

64.0349, 73.4564, 100.4260

Trichromacy



Original Color

64.6168, 73.2692, 103.6652

Protanomaly

68.6564, 72.9882, 100.0921

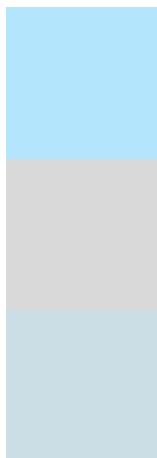
Deuteranomaly

70.3242, 72.5703, 104.0669

Tritanomaly

64.1913, 73.5189, 101.2498

Monochromacy



Original Color

64.6168, 73.2692, 103.6652

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.0328, 70.6522, 85.0726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6168, 73.2692, 103.6652 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(179, 230, 253)` looks like.

```
.text, #text, p{  
    color:rgb(179, 230, 253)  
}
```

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(179, 230, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 230, 253) }
```

Border

The CSS property to change the border of an element to XYZ 64.6168, 73.2692, 103.6652 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(179, 230, 253) }
```


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

```
.border{ border-color:rgb(179, 230, 253) }
```

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

Here you see how a box with a 4 pixel rgb(179, 230, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 230, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 230, 253);  
box-shadow:4px 4px 4px 4px rgb(179, 230,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6168, 73.2692, 103.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 230, 253) }
```

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

```
.background{ background-color: rgb(179,  
230, 253) }
```

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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