

Converting Colors

XYZ(66.2233, 76.6664,
102.5402)

Have a look what the booklet for
XYZ(66.2233, 76.6664, 102.5402)
contains.

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Color

**XYZ(66.2304, 76.6592,
102.5728)**

Conversions

Conversions Part 1

Format	Color
Hex	B4ECFB
RGB	180, 236, 251
RGB Percent	71%, 93%, 98%
CMY	0.2941, 0.0745, 0.0157
CMYK	0.28, 0.06, 0.00, 0.02
HSL	193°, 90%, 85%
HSV	193°, 28%, 98%
XYZ	66.2304, 76.6592, 102.5728
YIQ	220.9660, -38.1910, -7.2070

Conversions

Conversions Part 2

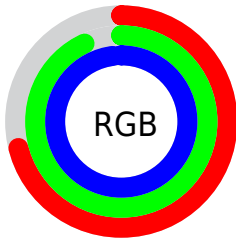
Format	Color
RYB	180, 211, 251
Decimal	11857147
CIELab	90.16, -14.33, -13.02
CIELCh	90, 19.358, 222.256
Yxy	76.6592, 0.2698, 0.3123
Android (android.graphics.Color)	4290047227 (0xFFB4ECFB)
YUV	220.9660, 14.8068, -35.9272
Hunter-Lab	87.5552, -18.1969, -8.1708

Details

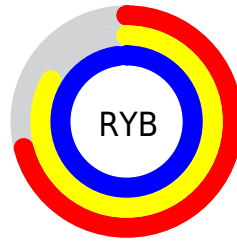
The XYZ color **66.2304, 76.6592, 102.5728** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5380, 62.8353, 51.7505**, and the grayscale version is **68.6238, 72.1976, 78.6232**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **34.5163, 40.8975, 57.1137** is the 20% darker color. If you saturate the color by 10%, you get **59.4045, 70.9095, 101.8240**, and if you desaturate by 10%, it is **74.1643, 83.0511, 103.3897**.

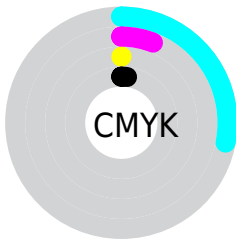
Distribution



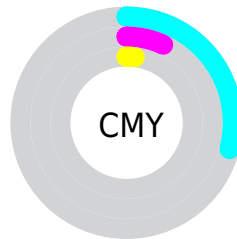
- Red (71%)
- Green (93%)
- Blue (98%)



- Red (71%)
- Yellow (83%)
- Blue (98%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (29%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2304, 76.6592, 102.5728 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 66.2304, 76.6592, 102.5728 by changing the saturation by 10% instead.

66.2304, 76.6592,
102.5728

66.2304, 76.6592,
102.5728

436.6761,
483.6013, 589.7272

48.7279, 56.9732,
77.8221

112.8729,
128.6583, 166.7709

34.6173, 40.9837,
57.4123

142.7435,
161.7402, 207.0555

23.5334, 28.3064,
40.9248

177.4675,
200.0562, 253.3550

15.1107, 18.5567,
27.9410

217.4103,
243.9906, 306.0882

8.9839, 11.3504,
18.0426

262.9372,
293.9280, 365.6734

4.7877, 6.3031,
10.8108

314.4135,

2.1567, 3.0302,

350.2526, 432.5293

5.8272

372.2047,
413.3489, 507.0744

0.7198, 1.1475,
2.6732

0.0000, 0.0182,
0.9299

66.2304, 76.6592,
102.5728

66.2304, 76.6592,
102.5728

59.4045, 70.9095,
101.8240

74.1643, 83.0511,
103.3897

53.6222, 65.7626,
101.1354

83.2524, 90.1041,
104.2720

48.8227, 61.1886,
100.5054

93.4351, 97.7896,
105.2188

44.9363, 57.1507,
99.9309

94.4128, 99.7451,
105.5447

■ 41.8833, 53.6074,
99.4079

■ 39.5697, 50.5096,
98.9319

■ 37.8650, 47.7894,
98.4967

■ 37.6028, 47.3450,
98.4247

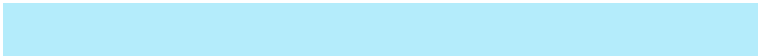
Harmonies

Analogous

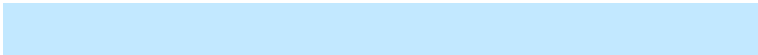
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1947, 76.6592, 89.2176



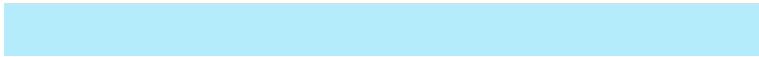
66.2304, 76.6592, 102.5728



70.0804, 76.6592, 111.3166

Triad

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



66.2304, 76.6592, 102.5728



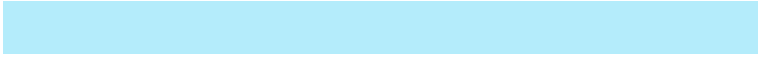
82.0287, 76.6592, 91.8025



70.9170, 76.6592, 60.1728

Complementary

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



66.2304, 76.6592, 102.5728



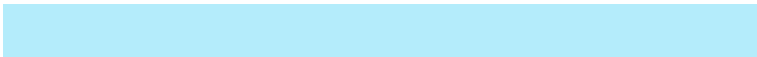
67.5380, 62.8353, 51.7505

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.



75.7168, 76.6592, 60.7020



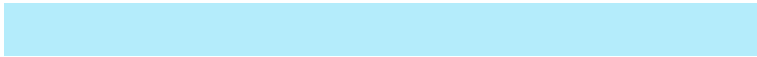
66.2304, 76.6592, 102.5728



82.2769, 76.6592, 77.9725

Square

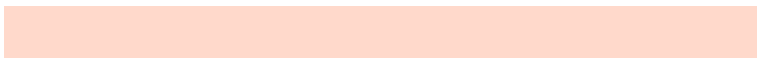
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.2304, 76.6592, 102.5728



79.2587, 76.6592, 104.6435



79.9227, 76.6592, 66.8976



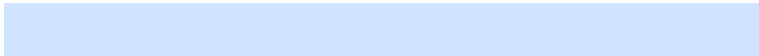
66.8196, 76.6592, 65.3626

Rectangle

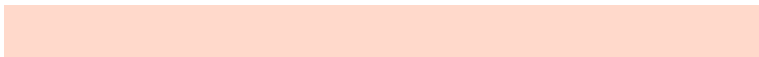
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.2304, 76.6592, 102.5728



73.2269, 76.6592, 112.8249



79.9227, 76.6592, 66.8976



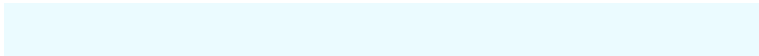
72.4989, 76.6592, 59.7053

Sweetspot

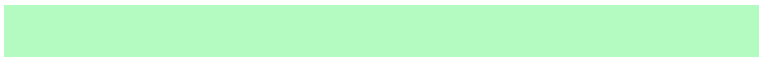
The Sweet Spot groups the original color and five complimentary colors.



66.2327, 76.6623, 102.5746



86.5797, 93.6155, 108.1141



63.0812, 82.6032, 63.7778



18.2100, 19.7916, 23.1103



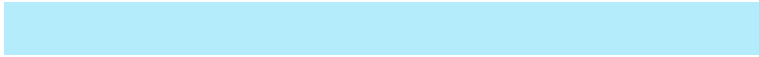
0.0000, 0.0000, 0.0000



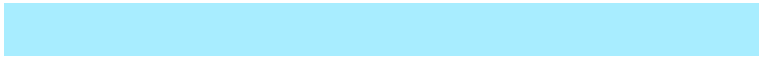
20.3446, 21.4041, 23.3091

Same Dimension

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



66.2327, 76.6623, 102.5746



64.4558, 75.9646, 105.8732



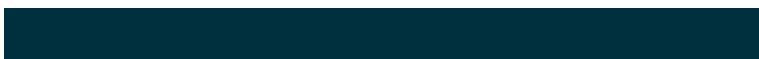
57.1933, 58.5834, 99.5614



17.4364, 18.9495, 22.1239



19.8750, 25.1055, 51.7719



1.9158, 2.4754, 4.8200

Inverse Universe

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



71.2471, 59.2097, 87.0337



70.5383, 55.4723, 86.8700



76.2367, 80.2329, 54.6501



17.8268, 17.4581, 20.9436



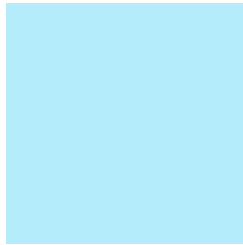
26.3240, 12.9453, 29.4783



2.4759, 1.2141, 2.9297

Previews

White Background



This preview shows how the XYZ color 66.2304, 76.6592, 102.5728 looks on a white background.

Color Contrast Check

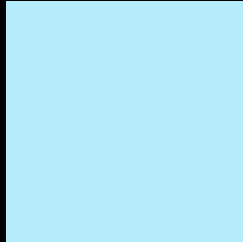
Large Text (above 18pt) WCAG AA × Fail

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 66.2304, 76.6592, 102.5728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

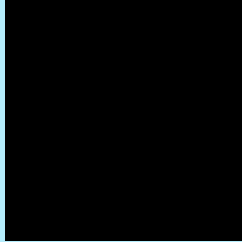
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2304, 76.6592, 102.5728

Background



This preview shows how black text looks on a background with the XYZ color 66.2304, 76.6592, 102.5728.

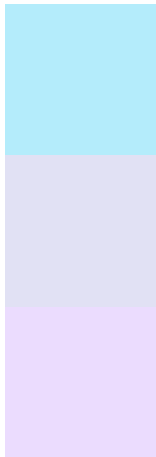


This preview shows how white text looks on a background with the XYZ color 66.2304, 76.6592,

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

66.2304, 76.6592, 102.5728

Protanopia

74.3057, 76.3896, 96.4163

Deuteranopia

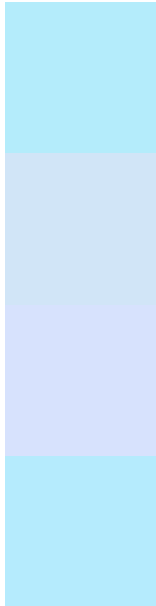
77.7435, 76.0043, 104.3387



Tritanopia

66.6538, 76.3962, 104.9988

Trichromacy



Original Color

66.2304, 76.6592, 102.5728

Protanomaly

71.1023, 76.3093, 98.9774

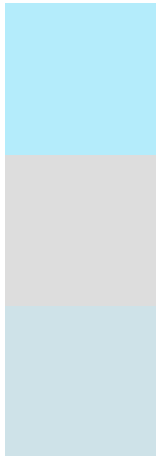
Deuteranomaly

72.9503, 75.9316, 103.7399

Tritanomaly

66.4940, 76.3323, 104.1575

Monochromacy



Original Color

66.2304, 76.6592, 102.5728

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.2154, 73.3407, 86.9575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2304, 76.6592, 102.5728 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(180, 236, 251)` looks like.

```
.text, #text, p{  
    color:rgb(180, 236, 251)  
}
```

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(180, 236, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 236, 251) }
```

Border

The CSS property to change the border of an element to XYZ 66.2304, 76.6592, 102.5728 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(180, 236, 251) }
```


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

```
.border{ border-color:rgb(180, 236, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 236, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 236, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 236, 251);  
box-shadow:4px 4px 4px 4px rgb(180, 236,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2304, 76.6592, 102.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 236, 251) }
```

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

```
.background{ background-color: rgb(180,  
236, 251) }
```

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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