

Converting Colors

XYZ(63.6657, 72.8920, 99.3237)

Have a look what the booklet for
XYZ(63.6657, 72.8920, 99.3237)
contains.

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Color

**XYZ(63.6002, 72.8359,
99.5136)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E6F8
RGB	178, 230, 248
RGB Percent	70%, 90%, 97%
CMY	0.3019, 0.0980, 0.0274
CMYK	0.28, 0.07, 0.00, 0.03
HSL	195°, 83%, 84%
HSV	195°, 28%, 97%
XYZ	63.6002, 72.8359, 99.5136
YIQ	216.5040, -36.7700, -5.4260

Conversions

Conversions Part 2

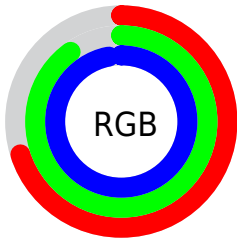
Format	Color
R _Y B	178, 208, 248
Decimal	11724536
CIE Lab	88.37, -12.54, -14.14
CIE LCh	88, 18.900, 228.444
Yxy	72.8359, 0.2695, 0.3087
Android (android.graphics.Color)	4289914616 (0xFFB2E6F8)
YUV	216.5040, 15.5275, -33.7680
Hunter-Lab	85.3440, -16.3298, -9.3931

Details

The XYZ color **63.6002, 72.8359, 99.5136** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4882, 62.6513, 50.7098**, and the grayscale version is **65.5311, 68.9438, 75.0798**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **32.8189, 38.2888, 55.5299** is the 20% darker color. If you saturate the color by 10%, you get **56.6745, 66.6810, 98.6918**, and if you desaturate by 10%, it is **71.6238, 79.6567, 100.4085**.

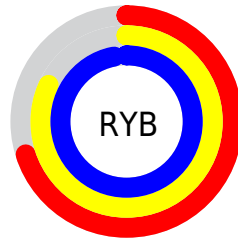
Distribution



Red (70%)

Green (90%)

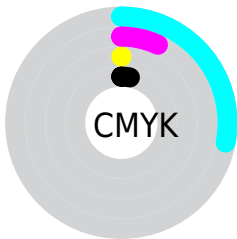
Blue (97%)



Red (70%)

Yellow (82%)

Blue (97%)

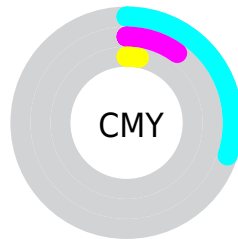


Cyan (28%)

Magenta (7%)

Yellow (0%)

Black (3%)



Cyan (30%)

Magenta (10%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6002, 72.8359, 99.5136 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 63.6002, 72.8359, 99.5136 by changing the saturation by 10% instead.

63.6002, 72.8359,
99.5136

63.6002, 72.8359,
99.5136

427.3696,
470.4459, 579.8655

46.5874, 53.8418,
75.2798

109.1119,
123.2442, 162.5346

32.9162, 38.4752,
55.3390

138.3415,
155.4272, 202.1589

22.2212, 26.3517,
39.2728

172.3742,
192.7753, 247.7504

14.1370, 17.0869,
26.6625

211.5751,
235.6729, 299.7277

8.2984, 10.2965,
17.0897

256.3098,
284.5043, 358.5094

4.3399, 5.5960,
10.1359

306.9435,

1.8961, 2.6010,

339.6540, 424.5138

5.3824

363.8417,
401.5064, 498.1597

■ 0.5746, 0.9272,
2.4107

■ 0.0000, 0.0000,
0.7922

■ 63.6002, 72.8359,
99.5136

■ 63.6002, 72.8359,
99.5136

■ 56.6745, 66.6810,
98.6918

■ 71.6238, 79.6567,
100.4085

■ 50.7841, 61.1534,
97.9354

■ 80.7907, 87.1625,
101.3741

■ 45.8697, 56.2233,
97.2428

■ 91.1517, 95.3822,
102.4146

■ 41.8632, 51.8545,
96.6107

■ 93.9435, 99.5574,
103.0733

■ 38.6871, 48.0060,
96.0352

■ 36.2499, 44.6295,
95.5120

■ 34.4251, 41.6587,
95.0347

■ 34.1335, 41.1573,
94.9533

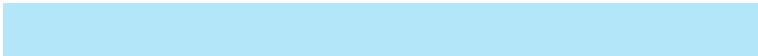
Harmonies

Analogous

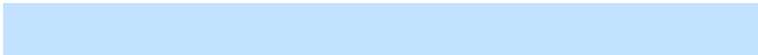
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.2767, 72.8359, 87.4776



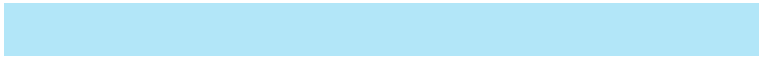
63.6002, 72.8359, 99.5136



67.4952, 72.8359, 106.3940

Triad

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



63.6002, 72.8359, 99.5136



78.1336, 72.8359, 84.4177



66.5043, 72.8359, 57.8842

Complementary

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



63.6002, 72.8359, 99.5136



66.4882, 62.6513, 50.7098

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.



70.9909, 72.8359, 57.2565



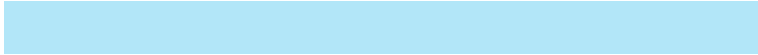
63.6002, 72.8359, 99.5136



77.8398, 72.8359, 71.6596

Square

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



63.6002, 72.8359, 99.5136



75.9651, 72.8359, 97.0639



75.1791, 72.8359, 62.0376



62.9021, 72.8359, 63.8578

Rectangle

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



63.6002, 72.8359, 99.5136



70.5176, 72.8359, 106.6808



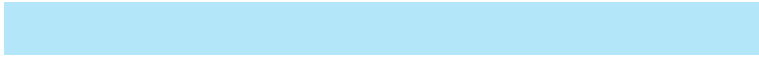
75.1791, 72.8359, 62.0376



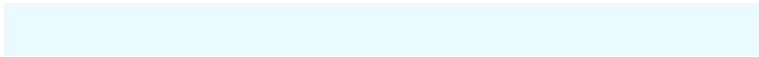
67.9549, 72.8359, 57.0671

Sweetspot

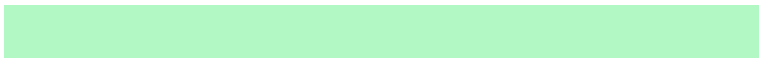
The Sweet Spot groups the original color and five complimentary colors.



63.6024, 72.8388, 99.5153



86.2885, 93.0332, 108.0170



61.8360, 80.5640, 64.2197



18.1363, 19.6443, 23.0858



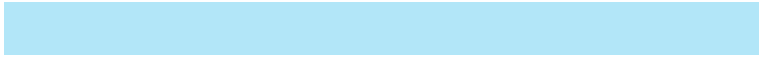
0.0000, 0.0000, 0.0000



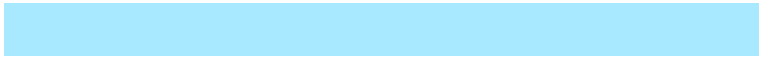
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6024, 72.8388, 99.5153



63.3189, 73.6908, 105.4942



54.9324, 55.4987, 96.6253



17.3659, 18.8087, 22.1005



18.5577, 22.4709, 51.3328



1.8039, 2.2515, 4.7827

Inverse Universe

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



68.9165, 57.5123, 82.3348



69.9645, 55.2427, 83.8481



75.1849, 80.0447, 53.6087



17.7913, 17.4439, 20.7565



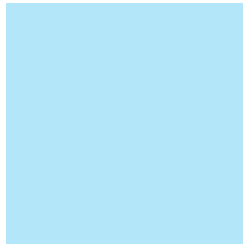
25.6591, 12.6794, 25.9769



2.4195, 1.1915, 2.6323

Previews

White Background



This preview shows how the XYZ color 63.6002, 72.8359, 99.5136 looks on a white background.

Color Contrast Check

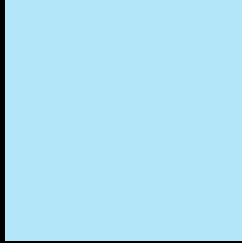
Large Text (above 18pt) WCAG AA × Fail

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 63.6002, 72.8359, 99.5136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

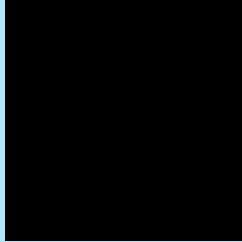
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6002, 72.8359, 99.5136

Background



This preview shows how black text looks on a background with the XYZ color 63.6002, 72.8359, 99.5136.

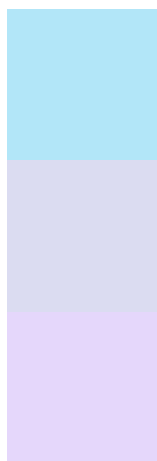


This preview shows how white text looks on a background with the XYZ color 63.6002, 72.8359,

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

63.6002, 72.8359, 99.5136

Protanopia

70.6838, 72.5973, 93.5063

Deuteranopia

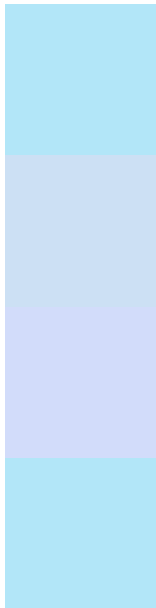
74.0261, 72.2239, 101.3058



Tritanopia

63.6002, 72.8359, 99.5136

Trichromacy



Original Color

63.6002, 72.8359, 99.5136

Protanomaly

67.8866, 72.6803, 96.0386

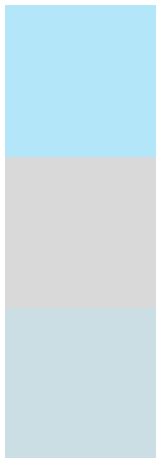
Deuteranomaly

69.4269, 71.7902, 100.6402

Tritanomaly

63.6002, 72.8359, 99.5136

Monochromacy



Original Color

63.6002, 72.8359, 99.5136

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.7535, 70.5405, 83.6016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6002, 72.8359, 99.5136 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(178, 230, 248)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 248)  
}
```

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(178, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 248) }
```

Border

The CSS property to change the border of an element to XYZ 63.6002, 72.8359, 99.5136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

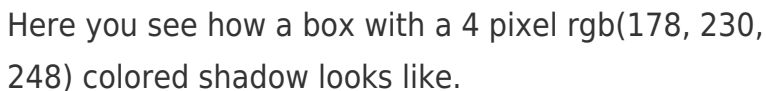
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 230, 248) }
```


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

```
.border{ border-color:rgb(178, 230, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 230, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 230, 248); box-shadow:4px 4px 4px 4px rgb(178, 230, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6002, 72.8359, 99.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 248) }
```

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

```
.background{ background-color: rgb(178,  
230, 248) }
```

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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