

Converting Colors

XYZ(64.1331, 68.9053, 97.4317)

Have a look what the booklet for
XYZ(64.1331, 68.9053, 97.4317)
contains.

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Color

**XYZ(63.9584, 68.6543,
97.0694)**

Conversions

Conversions Part 1

Format	Color
Hex	C1DBF6
RGB	193, 219, 246
RGB Percent	76%, 86%, 96%
CMY	0.2431, 0.1412, 0.0353
CMYK	0.22, 0.11, 0.00, 0.04
HSL	211°, 75%, 86%
HSV	211°, 22%, 96%
XYZ	63.9584, 68.6543, 97.0694
YIQ	214.3040, -24.1630, 2.8850

Conversions

Conversions Part 2

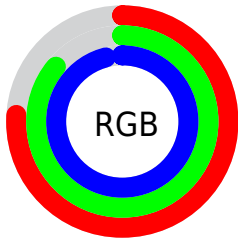
Format	Color
RYB	193, 210, 246
Decimal	12704758
CIELab	86.33, -2.94, -16.05
CIELCh	86, 16.319, 259.627
Yxy	68.6543, 0.2785, 0.2989
Android (android.graphics.Color)	4290894838 (0xFFC1DBF6)
YUV	214.3040, 15.6261, -18.6836
Hunter-Lab	82.8579, -7.2163, -11.4587

Details

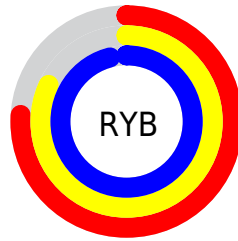
The XYZ color **63.9584, 68.6543, 97.0694** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.2256, 74.6297, 60.9993**, and the grayscale version is **64.0326, 67.3673, 73.3630**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **33.2172, 35.7576, 53.8664** is the 20% darker color. If you saturate the color by 10%, you get **55.0545, 59.3939, 95.7524**, and if you desaturate by 10%, it is **74.1556, 78.9503, 98.5204**.

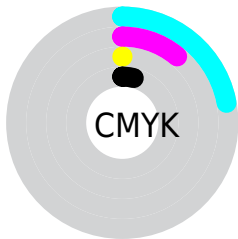
Distribution



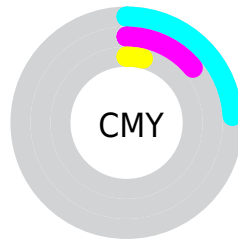
- Red (76%)
- Green (86%)
- Blue (96%)



- Red (76%)
- Yellow (82%)
- Blue (96%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (24%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9584, 68.6543, 97.0694 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 63.9584, 68.6543, 97.0694 by changing the saturation by 10% instead.

■ 63.9584, 68.6543,
97.0694

■ 63.9584, 68.6543,
97.0694

428.6440,
455.8108, 571.9216

■ 46.8785, 50.4302,
73.2522

■ 109.6251,
117.2877, 159.1406

■ 33.1472, 35.7554,
53.6891

138.9426,
148.4658, 198.2316

■ 22.3990, 24.2453,
37.9617

173.0701,
184.7306, 243.2509

■ 14.2686, 15.5157,
25.6513

212.3729,
226.4667, 294.6171

■ 8.3907, 9.1821,
16.3396

257.2163,
274.0584, 352.7488

■ 4.3998, 4.8602,
9.6078

307.9657,

■ 1.9307, 2.1654,

327.8900, 418.0644

5.0375

364.9865,
388.3460, 490.9825

■ 0.5946, 0.7011,
2.2102

■ 0.0000, 0.0000,
0.6802

■ 63.9584, 68.6543,
97.0694

■ 63.9584, 68.6543,
97.0694

■ 55.0545, 59.3939,
95.7524

■ 74.1556, 78.9503,
98.5204

■ 47.3809, 51.1233,
94.5604

■ 85.6932, 90.3086,
100.1047

■ 40.8779, 43.8054,
93.4907

■ 93.6348, 99.4339,
101.4475

■ 35.4786, 37.3969,
92.5383

■ 31.1078, 31.8503,
91.6981

■ 27.6804, 27.1124,
90.9642

■ 25.0947, 23.1210,
90.3300

■ 23.4346, 20.2536,
89.8641

Harmonies

Analogous

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



60.6738, 68.6543, 91.6954



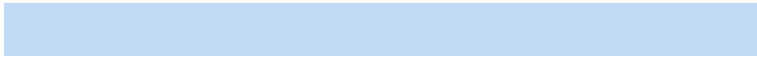
63.9584, 68.6543, 97.0694



67.7170, 68.6543, 96.0421

Triad

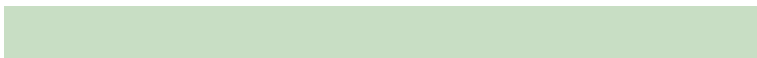
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.9584, 68.6543, 97.0694



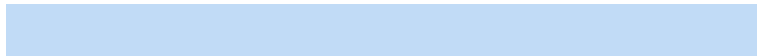
72.3163, 68.6543, 67.9997



59.8900, 68.6543, 62.1054

Complementary

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



63.9584, 68.6543, 97.0694



73.2256, 74.6297, 60.9993

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.



62.8511, 68.6543, 56.8679



63.9584, 68.6543, 97.0694



70.0588, 68.6543, 60.0375

Square

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



63.9584, 68.6543, 97.0694



72.6407, 68.6543, 78.5503



66.5667, 68.6543, 56.1491



58.3856, 68.6543, 71.0798

Rectangle

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



63.9584, 68.6543, 97.0694



69.9831, 68.6543, 91.8945



66.5667, 68.6543, 56.1491



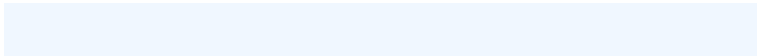
60.7426, 68.6543, 59.8876

Sweetspot

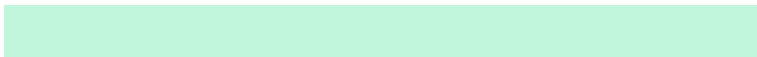
The Sweet Spot groups the original color and five complimentary colors.



63.9605, 68.6571, 97.0710



87.2073, 92.3406, 107.8349



67.8016, 82.3912, 79.6945



18.4902, 19.5917, 23.0570



0.0000, 0.0000, 0.0000



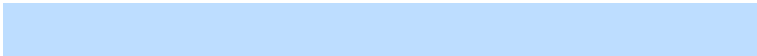
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9605, 68.6571, 97.0710



64.8785, 69.8336, 104.6675



57.6984, 56.1329, 94.9836



16.2525, 17.2692, 21.0193



12.6480, 11.0898, 48.0119



1.2142, 1.1799, 4.2540

Inverse Universe

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



69.8639, 62.8490, 75.4697



72.4546, 62.7588, 76.8605



80.5887, 89.3558, 63.4537



16.8380, 16.6181, 18.8935



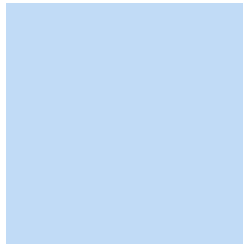
22.1886, 11.2189, 10.9676



2.0019, 1.0067, 1.2366

Previews

White Background



This preview shows how the XYZ color 63.9584, 68.6543, 97.0694 looks on a white background.

Color Contrast Check

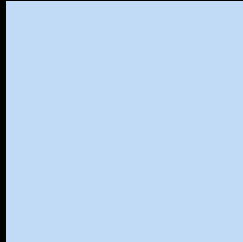
Large Text (above 18pt) WCAG AA × Fail

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 63.9584, 68.6543, 97.0694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

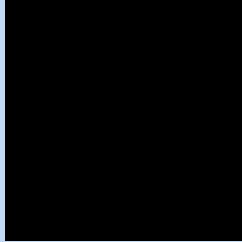
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

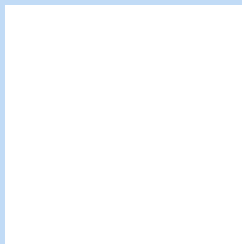
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9584, 68.6543, 97.0694

Background



This preview shows how black text looks on a background with the XYZ color 63.9584, 68.6543, 97.0694.



This preview shows how white text looks on a background with the XYZ color 63.9584, 68.6543,

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

63.9584, 68.6543, 97.0694

Protanopia

67.0882, 68.4131, 94.4631

Deuteranopia

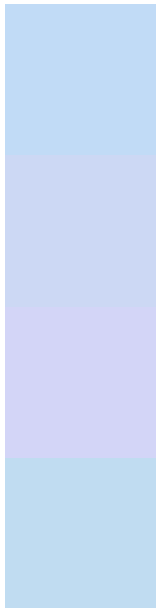
69.8087, 68.2426, 98.2998



Tritanopia

62.5117, 68.4358, 90.8036

Trichromacy



Original Color

63.9584, 68.6543, 97.0694

Protanomaly

65.7868, 68.4808, 95.3387

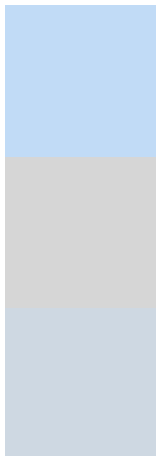
Deuteranomaly

67.4467, 68.1528, 97.5957

Tritanomaly

63.2086, 68.7437, 93.1565

Monochromacy



Original Color

63.9584, 68.6543, 97.0694

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.7369, 67.7245, 81.6644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9584, 68.6543, 97.0694 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(193, 219, 246)` looks like.

```
.text, #text, p{  
    color:rgb(193, 219, 246)  
}
```

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(193, 219, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 219, 246) }
```

Border

The CSS property to change the border of an element to XYZ 63.9584, 68.6543, 97.0694 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(193, 219, 246) }
```


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

```
.border{ border-color:rgb(193, 219, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 219, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 219, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 219, 246);  
box-shadow:4px 4px 4px 4px rgb(193, 219,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9584, 68.6543, 97.0694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 219, 246) }
```

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

```
.background{ background-color: rgb(193,  
219, 246) }
```

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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