

Converting Colors

XYZ(64.9830, 74.1672, 96.6499)

Have a look what the booklet for
XYZ(64.9830, 74.1672, 96.6499)
contains.

XYZ(64.9126, 73.9978, 96.4497)	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(64.9126, 73.9978,
96.4497)**

Conversions

Conversions Part 1

Format	Color
Hex	B9E7F4
RGB	185, 231, 244
RGB Percent	73%, 91%, 96%
CMY	0.2745, 0.0941, 0.0431
CMYK	0.24, 0.05, 0.00, 0.04
HSL	193°, 73%, 84%
HSV	193°, 24%, 96%
XYZ	64.9126, 73.9978, 96.4497
YIQ	218.7280, -31.5890, -5.7090

Conversions

Conversions Part 2

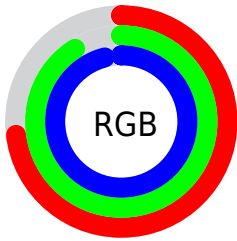
Format	Color
R _Y B	185, 211, 244
Decimal	12183540
CIE Lab	88.92, -11.93, -11.18
CIE LCh	89, 16.348, 223.140
Yxy	73.9978, 0.2758, 0.3144
Android (android.graphics.Color)	4290373620 (0xFFB9E7F4)
YUV	218.7280, 12.4591, -29.5795
Hunter-Lab	86.0220, -15.8415, -6.2619

Details

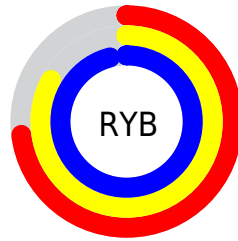
The XYZ color **64.9126, 73.9978, 96.4497** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2600, 63.1242, 54.5923**, and the grayscale version is **67.0774, 70.5706, 76.8514**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **33.7671, 39.1161, 53.3474** is the 20% darker color. If you saturate the color by 10%, you get **58.0430, 68.2590, 95.7053**, and if you desaturate by 10%, it is **72.8429, 80.3557, 97.2602**.

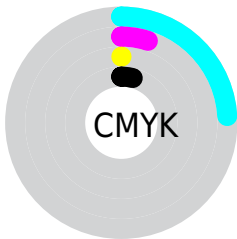
Distribution



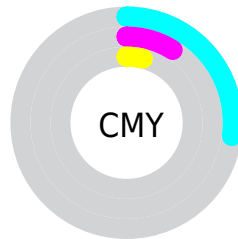
- Red (73%)
- Green (91%)
- Blue (96%)



- Red (73%)
- Yellow (83%)
- Blue (96%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (27%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9126, 73.9978, 96.4497 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 64.9126, 73.9978, 96.4497 by changing the saturation by 10% instead.

64.9126, 73.9978,
96.4497

64.9126, 73.9978,
96.4497

432.0280,
474.4658, 569.8982

47.6546, 54.7922,
72.7386

110.9906,
124.8927, 158.2787

33.7636, 39.2354,
53.2717

140.5414,
157.3508, 197.2336

22.8741, 26.9429,
37.6305

174.9204,
194.9952, 242.1070

14.6207, 17.5303,
25.3965

214.4932,
238.2104, 293.3172

8.6382, 10.6133,
16.1510

259.6250,
287.3806, 351.2829

4.5612, 5.8075,
9.4755

310.6811,

2.0243, 2.7284,

342.8903, 416.4226

4.9516

368.0270,
405.1239, 489.1549

■ 0.6475, 0.9916,
2.1607

■ 0.0000, 0.0000,
0.6515

■ 64.9126, 73.9978,
96.4497

■ 64.9126, 73.9978,
96.4497

■ 58.0430, 68.2590,
95.7053

■ 72.8429, 80.3557,
97.2602

■ 52.1756, 63.1030,
95.0193

■ 81.8756, 87.3493,
98.1340

■ 47.2560, 58.5030,
94.3907

■ 90.8699, 94.3928,
99.0195

■ 43.2219, 54.4261,
93.8164

■ 92.5386, 97.7302,
99.5757

■ 40.0029, 50.8357,
93.2931

■ 93.3294, 99.3117,
99.8393

■ 37.5179, 47.6891,
92.8167

■ 35.6674, 44.9344,
92.3825

■ 34.7971, 43.4672,
92.1452

Harmonies

Analogous

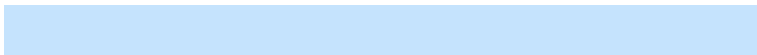
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.1634, 73.9978, 85.6395



64.9126, 73.9978, 96.4497



68.1436, 73.9978, 103.3365

Triad

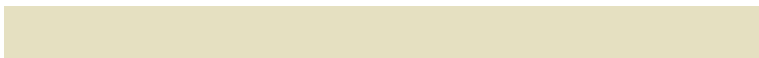
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.9126, 73.9978, 96.4497



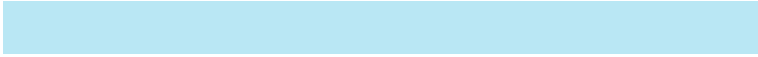
77.8876, 73.9978, 87.0742



68.6130, 73.9978, 61.1159

Complementary

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



64.9126, 73.9978, 96.4497



66.2600, 63.1242, 54.5923

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.



72.5682, 73.9978, 61.4217



64.9126, 73.9978, 96.4497



78.0249, 73.9978, 75.7066

Square

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



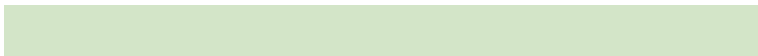
64.9126, 73.9978, 96.4497



75.6781, 73.9978, 97.5847



76.0464, 73.9978, 66.5384



65.2451, 73.9978, 65.6596

Rectangle

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



64.9126, 73.9978, 96.4497



70.7513, 73.9978, 104.4099



76.0464, 73.9978, 66.5384



69.9158, 73.9978, 60.6686

Sweetspot

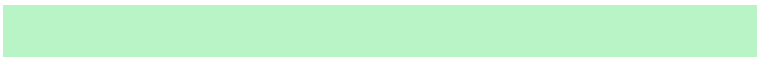
The Sweet Spot groups the original color and five complimentary colors.



64.9148, 74.0008, 96.4514



87.5435, 94.2871, 108.1929



62.5277, 79.0842, 65.2658



18.6056, 20.0795, 23.1451



0.0000, 0.0000, 0.0000



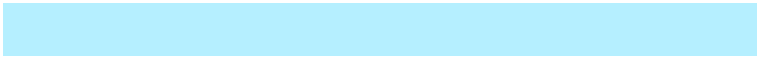
20.3446, 21.4041, 23.3091

Same Dimension

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



64.9148, 74.0008, 96.4514



67.8993, 78.6129, 106.2029



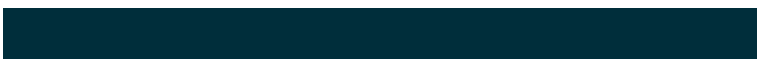
57.3922, 58.9557, 93.9439



16.6689, 18.1021, 21.1581



19.0261, 23.8461, 50.1380



1.7468, 2.2451, 4.4315

Inverse Universe

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



69.0827, 59.7022, 83.4874



73.3111, 60.5429, 89.2586



73.6131, 77.8306, 57.0434



17.0482, 16.7021, 20.0004



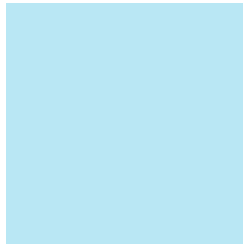
25.4080, 12.5066, 27.9208



2.2708, 1.1143, 2.6523

Previews

White Background



This preview shows how the XYZ color 64.9126, 73.9978, 96.4497 looks on a white background.

Color Contrast Check

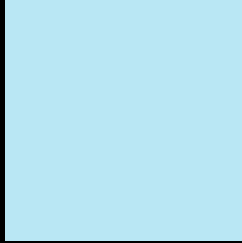
Large Text (above 18pt) WCAG AA × Fail

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 64.9126, 73.9978, 96.4497 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

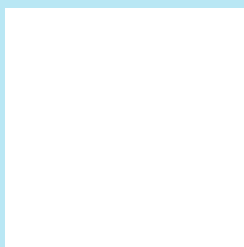
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9126, 73.9978, 96.4497

Background



This preview shows how black text looks on a background with the XYZ color 64.9126, 73.9978, 96.4497.

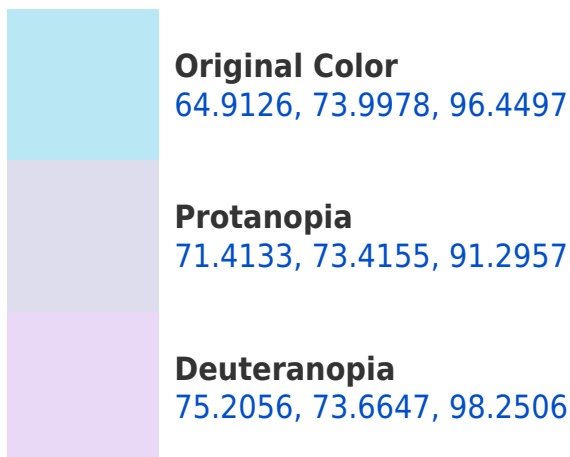


This preview shows how white text looks on a background with the XYZ color 64.9126, 73.9978,

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

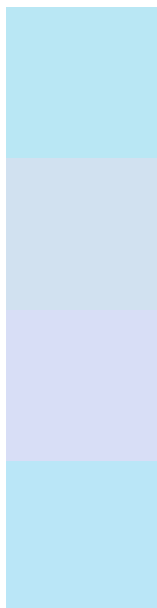




Tritanopia

65.6454, 73.8723, 100.4214

Trichromacy



Original Color

64.9126, 73.9978, 96.4497

Protanomaly

68.9479, 73.6970, 93.0291

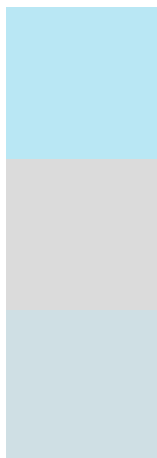
Deuteranomaly

71.0747, 73.4953, 97.6288

Tritanomaly

65.3350, 73.7481, 98.7870

Monochromacy



Original Color

64.9126, 73.9978, 96.4497

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.1234, 71.6422, 83.7420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9126, 73.9978, 96.4497 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(185, 231, 244)` looks like.

```
.text, #text, p{  
    color:rgb(185, 231, 244)  
}
```

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(185, 231, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 231, 244) }
```

Border

The CSS property to change the border of an element to XYZ 64.9126, 73.9978, 96.4497 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(185, 231, 244) }
```


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

```
.border{ border-color:rgb(185, 231, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 231, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 231, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 231, 244);  
box-shadow:4px 4px 4px 4px rgb(185, 231,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9126, 73.9978, 96.4497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 231, 244) }
```

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

```
.background{ background-color: rgb(185,  
231, 244) }
```

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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