

Converting Colors

XYZ(68.8275, 73.6911, 97.7516)

Have a look what the booklet for
XYZ(68.8275, 73.6911, 97.7516)
contains.

XYZ(68.7366, 73.4834, 97.7497)	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(68.7366, 73.4834,
97.7497)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE1F6
RGB	205, 225, 246
RGB Percent	80%, 88%, 96%
CMY	0.1961, 0.1176, 0.0353
CMYK	0.17, 0.09, 0.00, 0.04
HSL	211°, 69%, 88%
HSV	211°, 17%, 96%
XYZ	68.7366, 73.4834, 97.7497
YIQ	221.4140, -18.6610, 2.2910

Conversions

Conversions Part 2

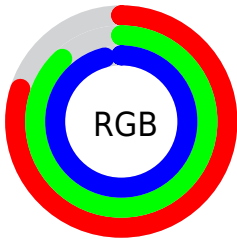
Format	Color
R _{YB}	205, 218, 246
Decimal	13492726
CIE _{Lab}	88.68, -2.40, -12.46
CIE _{LCh}	89, 12.686, 259.110
Y _{xy}	73.4834, 0.2864, 0.3062
Android (android.graphics.Color)	4291682806 (0xFFCDE1F6)
YUV	221.4140, 12.1209, -14.3951
Hunter-Lab	85.7225, -6.8840, -7.6029

Details

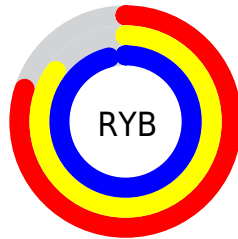
The XYZ color **68.7366, 73.4834, 97.7497** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.2224, 78.3932, 68.8732**, and the grayscale version is **68.9468, 72.5374, 78.9932**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2467, 38.9512, 54.3231** is the 20% darker color. If you saturate the color by 10%, you get **59.1962, 63.6960, 96.3646**, and if you desaturate by 10%, it is **79.5996, 84.3295, 99.2718**.

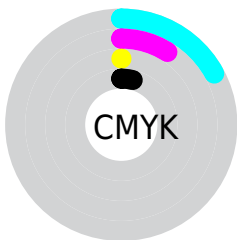
Distribution



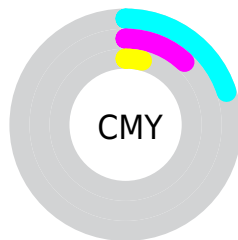
- Red (80%)
- Green (88%)
- Blue (96%)



- Red (80%)
- Yellow (85%)
- Blue (96%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7366, 73.4834, 97.7497 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 68.7366, 73.4834, 97.7497 by changing the saturation by 10% instead.

■ 68.7366, 73.4834,
97.7497

■ 68.7366, 73.4834,
97.7497

445.4373,
472.6885, 574.1386

■ 50.7731, 54.3713,
73.8162

116.4414,
124.1632, 160.0861

■ 36.2484, 38.8986,
54.1477

146.9134,
156.4997, 199.3261

■ 24.7971, 26.6809,
38.3258

182.2856,
194.0132, 244.5053

■ 16.0539, 17.3337,
25.9319

222.9234,
237.0880, 296.0422

■ 9.6534, 10.4727,
16.5474

269.1921,
286.1086, 354.3555

■ 5.2302, 5.7135,
9.7538

321.4571,

■ 2.4191, 2.6716,

341.4592, 419.8636

5.1325

380.0837,
403.5244, 492.9851

■ 0.8546, 0.9628,
2.2651

■ 0.0000, 0.0000,
0.7116

■ 68.7366, 73.4834,
97.7497

■ 68.7366, 73.4834,
97.7497

■ 59.1962, 63.6960,
96.3646

■ 79.5996, 84.3295,
99.2718

■ 50.9167, 54.9219,
95.1074

■ 91.8303, 96.2595,
100.9299

■ 43.8410, 47.1251,
93.9754

■ 93.6348, 99.4339,
101.4476

■ 37.9049, 40.2640,
92.9639

■ 33.0372, 34.2931,
92.0680

■ 29.1583, 29.1620,
91.2820

■ 26.1752, 24.8132,
90.5998

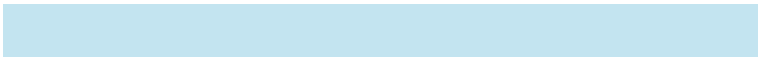
■ 23.9725, 21.1769,
90.0140

■ 23.3534, 20.0912,
89.8371

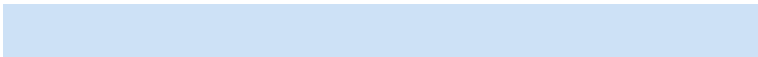
Harmonies

Analogous

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



66.0577, 73.4834, 93.4558



68.7366, 73.4834, 97.7497



71.7903, 73.4834, 97.0361

Triad

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



68.7366, 73.4834, 97.7497



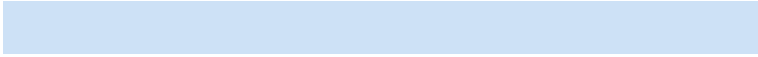
75.5598, 73.4834, 74.6134



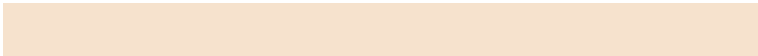
65.4841, 73.4834, 69.4663

Complementary

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



68.7366, 73.4834, 97.7497



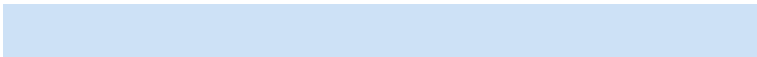
76.2224, 78.3932, 68.8732

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.



67.9327, 73.4834, 65.1036



68.7366, 73.4834, 97.7497



73.7718, 73.4834, 67.9216

Square

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



68.7366, 73.4834, 97.7497



75.7903, 73.4834, 83.2412



70.9628, 73.4834, 64.5595



64.2167, 73.4834, 76.8653

Rectangle

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



68.7366, 73.4834, 97.7497



73.6264, 73.4834, 93.8302



70.9628, 73.4834, 64.5595



66.1929, 73.4834, 67.6199

Sweetspot

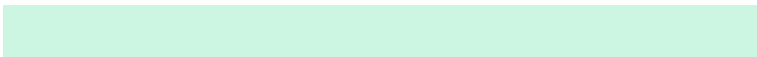
The Sweet Spot groups the original color and five complimentary colors.



68.7388, 73.4864, 97.7513



88.4660, 93.5659, 108.0051



71.7929, 84.3556, 84.0921



18.7438, 19.8385, 23.0913



0.0000, 0.0000, 0.0000



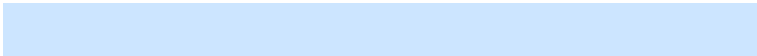
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7388, 73.4864, 97.7513



70.9384, 76.0305, 105.5442



63.6442, 63.2972, 96.0531



16.2486, 17.2615, 21.0180



12.6044, 11.0027, 47.9974



1.2103, 1.1721, 4.2527

Inverse Universe

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



73.4297, 68.6934, 80.6266



76.9592, 70.0963, 83.5159



81.9825, 89.9134, 70.7932



16.8361, 16.6173, 18.8833



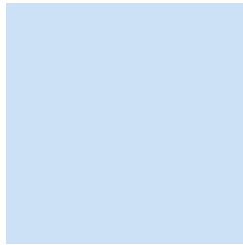
22.1667, 11.2101, 10.8519



2.0000, 1.0060, 1.2263

Previews

White Background



This preview shows how the XYZ color 68.7366, 73.4834, 97.7497 looks on a white background.

Color Contrast Check

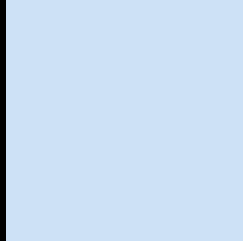
Large Text (above 18pt) WCAG AA × Fail

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 68.7366, 73.4834, 97.7497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

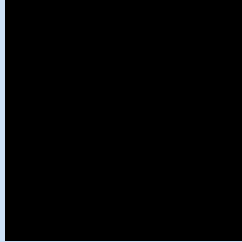
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

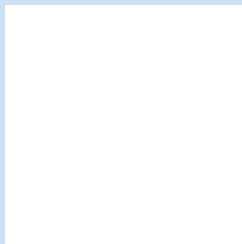
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7366, 73.4834, 97.7497

Background



This preview shows how black text looks on a background with the XYZ color 68.7366, 73.4834, 97.7497.

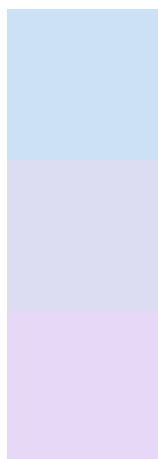


This preview shows how white text looks on a background with the XYZ color 68.7366, 73.4834,

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

68.7366, 73.4834, 97.7497

Protanopia

71.5493, 73.3996, 95.1905

Deuteranopia

74.7779, 73.0448, 98.9648



Tritanopia

68.2797, 73.3006, 95.3437

Trichromacy



Original Color

68.7366, 73.4834, 97.7497

Protanomaly

70.4747, 73.2213, 96.0067

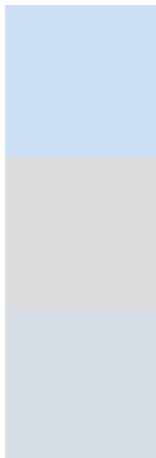
Deuteranomaly

72.2442, 72.9080, 98.2607

Tritanomaly

68.4312, 73.3612, 96.1414

Monochromacy



Original Color

68.7366, 73.4834, 97.7497

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.4285, 72.4028, 85.2315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7366, 73.4834, 97.7497 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(205, 225, 246)` looks like.

```
.text, #text, p{  
    color:rgb(205, 225, 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(205, 225, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 225, 246) }
```

Border

The CSS property to change the border of an element to XYZ 68.7366, 73.4834, 97.7497 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(205, 225, 246) }
```


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

```
.border{ border-color:rgb(205, 225, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 225, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 225, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 225, 246);  
box-shadow:4px 4px 4px 4px rgb(205, 225,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7366, 73.4834, 97.7497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 225, 246) }
```

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

```
.background{ background-color: rgb(205,  
225, 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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