

Converting Colors

XYZ(64.4947, 75.0219, 97.4676)

Have a look what the booklet for
XYZ(64.4947, 75.0219, 97.4676)
contains.

XYZ(64.4947, 75.0219, 97.4676)	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(64.4947, 75.0219,
97.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	B3EAF5
RGB	179, 234, 245
RGB Percent	70%, 92%, 96%
CMY	0.2980, 0.0823, 0.0392
CMYK	0.27, 0.04, 0.00, 0.04
HSL	190°, 77%, 83%
HSV	190°, 27%, 96%
XYZ	64.4947, 75.0219, 97.4676
YIQ	218.8090, -36.3110, -8.2390

Conversions

Conversions Part 2

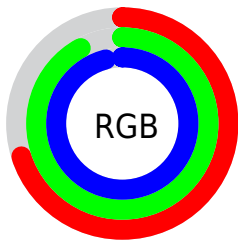
Format	Color
R_{YB}	179, 209, 245
Decimal	11791093
CIE _{Lab}	89.40, -14.95, -11.02
CIE _{LCh}	89, 18.576, 216.393
Yxy	75.0219, 0.2721, 0.3166
Android (android.graphics.Color)	4289981173 (0xFFB3EAF5)
YUV	218.8090, 12.9122, -34.9125
Hunter-Lab	86.6152, -18.6633, -6.0881

Details

The XYZ color **64.4947, 75.0219, 97.4676** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.2073, 59.4947, 50.7492**, and the grayscale version is **67.1328, 70.6289, 76.9149**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **33.4179, 39.8000, 54.0650** is the 20% darker color. If you saturate the color by 10%, you get **58.1792, 70.0624, 96.8444**, and if you desaturate by 10%, it is **71.8475, 80.5596, 98.1502**.

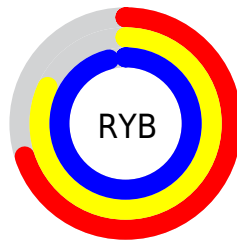
Distribution



Red (70%)

Green (92%)

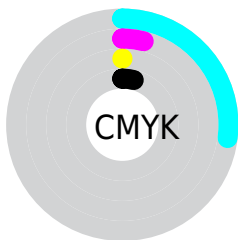
Blue (96%)



Red (70%)

Yellow (82%)

Blue (96%)

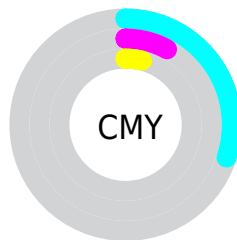


Cyan (27%)

Magenta (4%)

Yellow (0%)

Black (4%)



Cyan (30%)

Magenta (8%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4947, 75.0219, 97.4676 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 64.4947, 75.0219, 97.4676 by changing the saturation by 10% instead.

64.4947, 75.0219,
97.4676

64.4947, 75.0219,
97.4676

430.5479,
477.9928, 573.2198

47.3146, 55.6308,
73.5823

110.3928,
126.3434, 159.6941

33.4934, 39.9070,
53.9575

139.8416,
159.0425, 198.8723

22.6658, 27.4661,
38.1747

174.1107,
196.9466, 243.9853

14.4662, 17.9236,
25.8154

213.5654,
240.4398, 295.4515

8.5295, 10.8951,
16.4611

258.5712,
289.9066, 353.6896

4.4902, 5.9963,
9.6931

309.4932,

1.9830, 2.8429,

345.7315, 419.1179

5.0930

366.6970,
408.2988, 492.1552

■ 0.6244, 1.0503,
2.2423

■ 0.0000, 0.0000,
0.6986

■ 64.4947, 75.0219,
97.4676

■ 64.4947, 75.0219,
97.4676

■ 58.1792, 70.0624,
96.8444

■ 71.8475, 80.5596,
98.1502

■ 52.8408, 65.6442,
96.2730

■ 80.2803, 86.6923,
98.8895

■ 48.4234, 61.7401,
95.7523

■ 89.8416, 93.4470,
99.6893

■ 44.8624, 58.3164,
95.2791

■ 92.0112, 96.4317,
100.1511

■ 42.0843, 55.3350,
94.8501

■ 93.2958, 99.0009,
100.5793

■ 40.0032, 52.7513,
94.4610

■ 93.4817, 99.3727,
100.6412

■ 38.5093, 50.5085,
94.1069

■ 38.1167, 49.8628,
94.0029

Harmonies

Analogous

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



62.9625, 75.0219, 84.5070



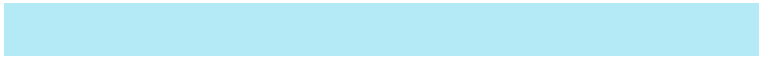
64.4947, 75.0219, 97.4676



67.8605, 75.0219, 106.8556

Triad

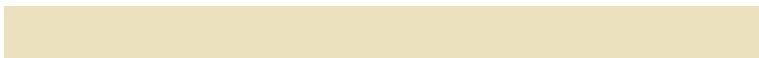
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.4947, 75.0219, 97.4676



79.6245, 75.0219, 92.1335



70.3366, 75.0219, 59.2360

Complementary

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



64.4947, 75.0219, 97.4676



64.2073, 59.4947, 50.7492

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.



74.8663, 75.0219, 60.8161



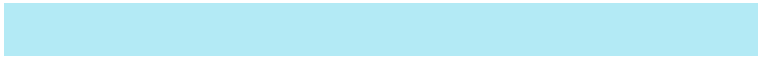
64.4947, 75.0219, 97.4676



80.3560, 75.0219, 78.9287

Square

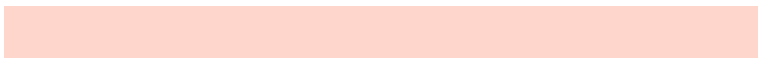
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4947, 75.0219, 97.4676



76.6223, 75.0219, 103.5543



78.5809, 75.0219, 67.7072



66.2416, 75.0219, 63.1361

Rectangle

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



64.4947, 75.0219, 97.4676



70.7572, 75.0219, 109.3224



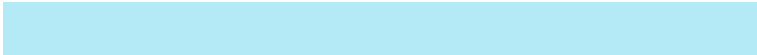
78.5809, 75.0219, 67.7072



71.8578, 75.0219, 59.1504

Sweetspot

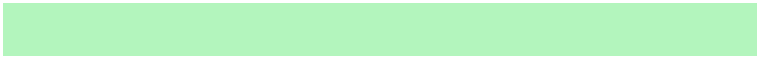
The Sweet Spot groups the original color and five complimentary colors.



64.4969, 75.0249, 97.4693



86.8642, 94.1845, 108.2089



60.4189, 78.5598, 60.0682



18.2821, 19.9358, 23.1344



0.0000, 0.0000, 0.0000



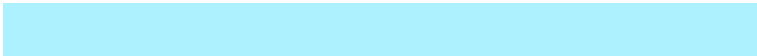
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4969, 75.0249, 97.4693



66.9469, 79.2995, 106.3856



56.2175, 58.4661, 94.7095



16.7479, 18.2602, 21.1844



20.6222, 27.0383, 50.6700



1.8736, 2.4985, 4.4738

Inverse Universe

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



68.6294, 57.5951, 85.3450



72.1979, 57.6758, 90.8625



71.8891, 74.8582, 53.3098



17.0881, 16.7181, 20.2105



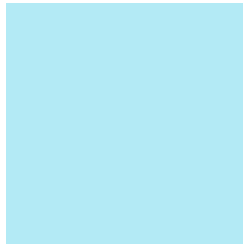
26.2137, 12.8289, 32.1632



2.3347, 1.1399, 2.9891

Previews

White Background



This preview shows how the XYZ color 64.4947, 75.0219, 97.4676 looks on a white background.

Color Contrast Check

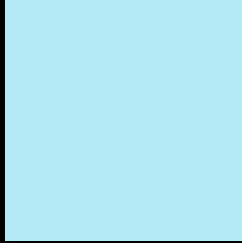
Large Text (above 18pt) WCAG AA × Fail

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 64.4947, 75.0219, 97.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

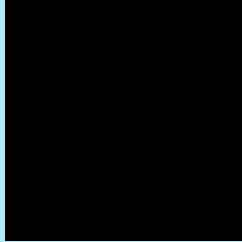
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4947, 75.0219, 97.4676

Background



This preview shows how black text looks on a background with the XYZ color 64.4947, 75.0219, 97.4676.

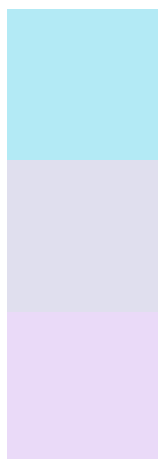


This preview shows how white text looks on a background with the XYZ color 64.4947, 75.0219,

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

64.4947, 75.0219, 97.4676

Protanopia

72.5608, 74.7957, 91.5016

Deuteranopia

75.9464, 74.4125, 99.1672



Tritanopia

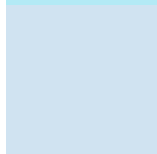
65.5320, 75.0094, 103.1198

Trichromacy



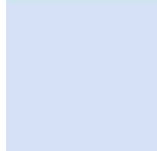
Original Color

64.4947, 75.0219, 97.4676



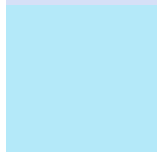
Protanomaly

69.3587, 74.6989, 93.9818



Deuteranomaly

71.1757, 74.3229, 98.5901



Tritanomaly

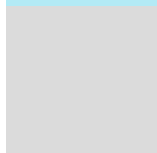
65.0602, 74.8207, 100.6353

Monochromacy



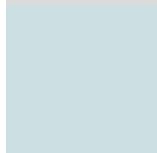
Original Color

64.4947, 75.0219, 97.4676



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.5611, 71.7501, 83.7925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4947, 75.0219, 97.4676 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(179, 234, 245)` looks like.

```
.text, #text, p{  
    color:rgb(179, 234, 245)  
}
```

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(179, 234, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 234, 245) }
```

Border

The CSS property to change the border of an element to XYZ 64.4947, 75.0219, 97.4676 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(179, 234, 245) }
```


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

```
.border{ border-color:rgb(179, 234, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 234, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 234, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 234, 245);  
box-shadow:4px 4px 4px 4px rgb(179, 234,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4947, 75.0219, 97.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 234, 245) }
```

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

```
.background{ background-color: rgb(179,  
234, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor