

Converting Colors

XYZ(65.2022, 77.3095, 97.7950)

Have a look what the booklet for
XYZ(65.2022, 77.3095, 97.7950)
contains.

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Color

**XYZ(65.1874, 77.0888,
97.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	B1EEF5
RGB	177, 238, 245
RGB Percent	69%, 93%, 96%
CMY	0.3059, 0.0666, 0.0392
CMYK	0.28, 0.03, 0.00, 0.04
HSL	186°, 77%, 83%
HSV	186°, 28%, 96%
XYZ	65.1874, 77.0888, 97.8301
YIQ	220.5590, -38.6030, -10.7550

Conversions

Conversions Part 2

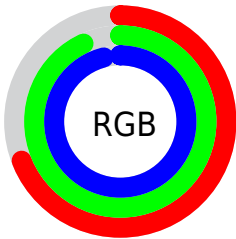
Format	Color
RYB	177, 209, 245
Decimal	11661045
CIELab	90.36, -17.52, -9.61
CIELCh	90, 19.981, 208.736
Yxy	77.0888, 0.2715, 0.3211
Android (android.graphics.Color)	4289851125 (0xFFB1EEF5)
YUV	220.5590, 12.0494, -38.2012
Hunter-Lab	87.8002, -21.1228, -4.6028

Details

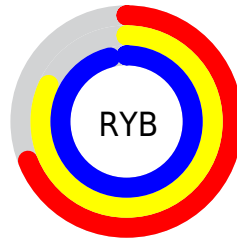
The XYZ color **65.1874, 77.0888, 97.8301** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.7333, 56.8681, 49.2667**, and the grayscale version is **68.3577, 71.9176, 78.3182**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **33.9393, 41.2676, 54.3208** is the 20% darker color. If you saturate the color by 10%, you get **59.3719, 73.0107, 97.3507**, and if you desaturate by 10%, it is **72.0196, 81.7102, 98.3633**.

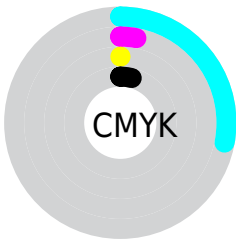
Distribution



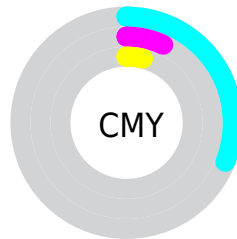
- Red (69%)
- Green (93%)
- Blue (96%)



- Red (69%)
- Yellow (82%)
- Blue (96%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (31%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1874, 77.0888, 97.8301 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 65.1874, 77.0888, 97.8301 by changing the saturation by 10% instead.

65.1874, 77.0888,
97.8301

65.1874, 77.0888,
97.8301

432.9997,
485.0667, 574.4003

47.8783, 57.3258,
73.8829

111.3834,
129.2648, 160.1978

33.9414, 41.2668,
54.2020

141.0011,
162.4466, 199.4553

23.0112, 28.5276,
38.3689

175.4524,
200.8701, 244.6534

14.7226, 18.7238,
25.9651

215.1025,
244.9196, 296.2105

8.7099, 11.4709,
16.5720

260.3170,
294.9797, 354.5452

4.6081, 6.3845,
9.7711

311.4611,

2.0516, 3.0803,

351.4346, 420.0760

5.1438

368.9002,
414.6688, 493.2215

■ 0.6627, 1.1738,
2.2717

■ 0.0000, 0.0401,
0.7153

■ 65.1874, 77.0888,
97.8301

■ 65.1874, 77.0888,
97.8301

■ 59.3719, 73.0107,
97.3507

■ 72.0196, 81.7102,
98.3633

■ 54.5125, 69.4387,
96.9174

■ 79.9113, 86.8911,
98.9474

■ 50.5529, 66.3457,
96.5291

■ 88.9111, 92.6587,
99.5863

■ 47.4279, 63.6981,
96.1828

■ 91.3164, 95.0421,
99.9196

■ 45.0634, 61.4576,
95.8749

■ 92.0971, 96.6035,
100.1798

■ 43.3724, 59.5792,
95.6015

■ 92.8883, 98.1859,
100.4435

■ 42.2377, 58.0024,
95.3569

■ 93.4817, 99.3727,
100.6413

■ 42.0201, 57.6696,
95.3042

Harmonies

Analogous

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



64.1043, 77.0888, 83.3327



65.1874, 77.0888, 97.8301



68.4104, 77.0888, 109.6405

Triad

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



65.1874, 77.0888, 97.8301



81.7682, 77.0888, 98.9959



73.4822, 77.0888, 59.3865

Complementary

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



65.1874, 77.0888, 97.8301



62.7333, 56.8681, 49.2667

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.



78.3557, 77.0888, 62.6010



65.1874, 77.0888, 97.8301



83.2715, 77.0888, 84.5434

Square

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



65.1874, 77.0888, 97.8301



77.9735, 77.0888, 110.3655



81.9958, 77.0888, 71.4250



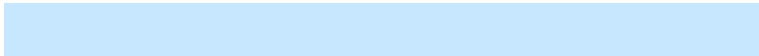
68.7607, 77.0888, 62.1045

Rectangle

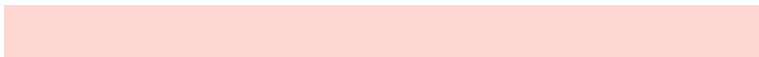
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



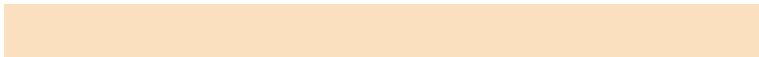
65.1874, 77.0888, 97.8301



71.4152, 77.0888, 113.8219



81.9958, 77.0888, 71.4250



75.1579, 77.0888, 59.8018

Sweetspot

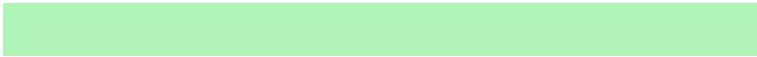
The Sweet Spot groups the original color and five complimentary colors.



65.1897, 77.0919, 97.8319



87.2730, 95.0021, 108.3452



59.4161, 78.1057, 57.1834



18.3858, 20.1431, 23.1689



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.



65.1897, 77.0919, 97.8319



67.8715, 81.9803, 106.8543



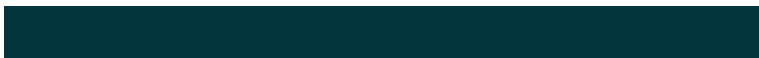
56.2548, 59.2221, 94.8536



16.8425, 18.4493, 21.2159



22.6968, 31.1873, 51.3615



2.0360, 2.8234, 4.5279

Inverse Universe

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



68.8128, 57.0315, 88.2739



72.4616, 57.0040, 94.6472



70.6130, 72.6274, 51.8933



17.1358, 16.7372, 20.4618



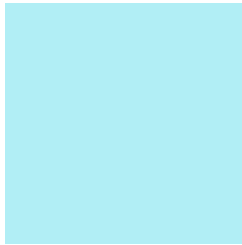
27.2608, 13.2478, 37.6773



2.4167, 1.1727, 3.4209

Previews

White Background



This preview shows how the XYZ color 65.1874, 77.0888, 97.8301 looks on a white background.

Color Contrast Check

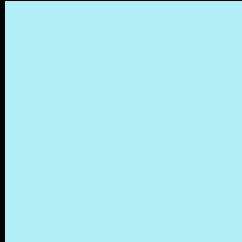
Large Text (above 18pt) WCAG AA × Fail

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 65.1874, 77.0888, 97.8301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

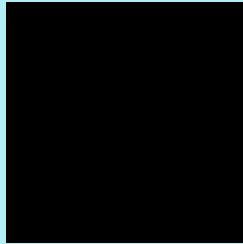
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1874, 77.0888, 97.8301

Background



This preview shows how black text looks on a background with the XYZ color 65.1874, 77.0888, 97.8301.

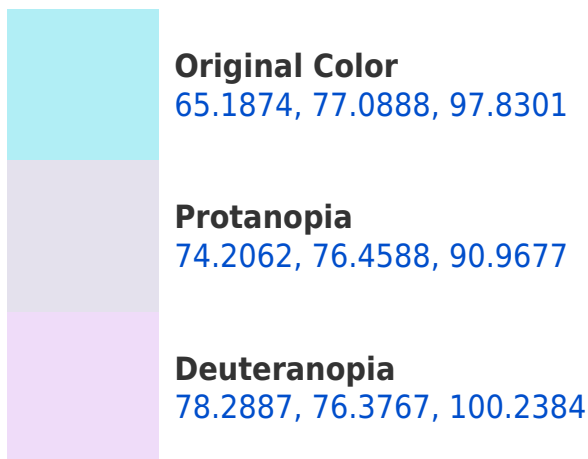


This preview shows how white text looks on a background with the XYZ color 65.1874, 77.0888,

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

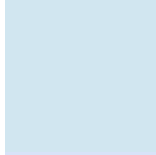
66.8678, 76.9142, 105.9294

Trichromacy



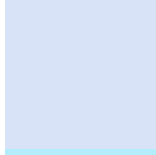
Original Color

65.1874, 77.0888, 97.8301



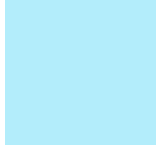
Protanomaly

70.3195, 76.4402, 93.4863



Deuteranomaly

72.7313, 76.3144, 99.7037



Tritanomaly

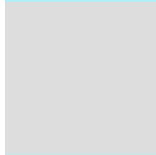
66.2872, 77.1171, 102.6582

Monochromacy



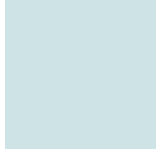
Original Color

65.1874, 77.0888, 97.8301



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.9289, 73.6305, 85.5475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1874, 77.0888, 97.8301 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(177, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(177, 238, 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(177, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 238, 245) }
```

Border

The CSS property to change the border of an element to XYZ 65.1874, 77.0888, 97.8301 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(177, 238, 245) }
```


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

```
.border{ border-color:rgb(177, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 238, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 238, 245);  
box-shadow:4px 4px 4px 4px rgb(177, 238,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1874, 77.0888, 97.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 238, 245) }
```

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

```
.background{ background-color: rgb(177,  
238, 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](#).

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