

Converting Colors

XYZ(64.1920, 76.4461, 87.0042)

Have a look what the booklet for
XYZ(64.1920, 76.4461, 87.0042)
contains.

XYZ(64.2364, 76.4052, 86.9634)	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(64.2364, 76.4052,
86.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	B7EDE7
RGB	183, 237, 231
RGB Percent	72%, 93%, 91%
CMY	0.2823, 0.0706, 0.0941
CMYK	0.23, 0.00, 0.03, 0.07
HSL	173°, 60%, 82%
HSV	173°, 23%, 93%
XYZ	64.2364, 76.4052, 86.9634
YIQ	220.1700, -30.2580, -13.3140

Conversions

Conversions Part 2

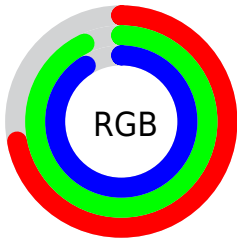
Format	Color
RYB	183, 212, 237
Decimal	12053991
CIELab	90.05, -18.32, -2.72
CIELCh	90, 18.517, 188.453
Yxy	76.4052, 0.2822, 0.3357
Android (android.graphics.Color)	4290244071 (0xFFB7EDE7)
YUV	220.1700, 5.3392, -32.5981
Hunter-Lab	87.4101, -21.7905, 2.2000

Details

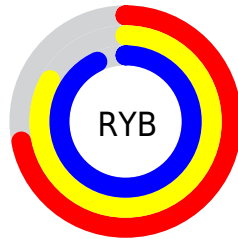
The XYZ color **64.2364, 76.4052, 86.9634** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0465, 55.5476, 55.6514**, and the grayscale version is **68.1270, 71.6749, 78.0539**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **33.3150, 40.8100, 46.6787** is the 20% darker color. If you saturate the color by 10%, you get **58.6982, 73.5948, 84.7778**, and if you desaturate by 10%, it is **70.7338, 79.7134, 89.2264**.

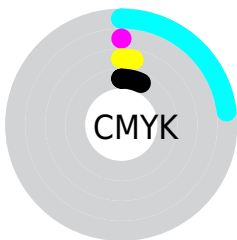
Distribution



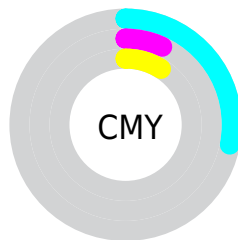
- Red (72%)
- Green (93%)
- Blue (91%)



- Red (72%)
- Yellow (83%)
- Blue (93%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (28%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2364, 76.4052, 86.9634 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 64.2364, 76.4052, 86.9634 by changing the saturation by 10% instead.

64.2364, 76.4052,
86.9634

64.2364, 76.4052,
86.9634

429.6315,
482.7336, 538.4157

47.1046, 56.7648,
64.9055

110.0232,
128.2995, 145.0115

33.3266, 40.8165,
46.9336

139.4088,
161.3223, 181.8388

22.5372, 28.1757,
32.6292

173.6097,
199.5746, 224.4263

14.3710, 18.4581,
21.5737

212.9913,
243.4409, 273.1926

8.4626, 11.2794,
13.3487

257.9190,
293.3055, 328.5561

4.4466, 6.2551,
7.5356

308.7580,

1.9578, 3.0008,

349.5529, 390.9354

3.7158

365.8737,
412.5675, 460.7491

■ 0.6101, 1.1322,
1.4707

■ 0.0000, 0.0052,
0.1960

■ 64.2364, 76.4052,
86.9634

■ 64.2364, 76.4052,
86.9634

■ 58.6982, 73.5948,
84.7778

■ 70.7338, 79.7134,
89.2264

■ 54.0651, 71.2484,
82.6620

■ 78.2280, 83.5328,
91.5638

■ 50.2875, 69.3424,
80.6152

■ 86.7626, 87.8880,
93.9794

■ 47.3088, 67.8475,
78.6347

■ 87.4836, 88.2144,
96.0590

45.0651, 66.7310,
76.7174

87.8813, 88.3734,
98.1531

43.4827, 65.9547,
74.8595

88.2847, 88.5348,
100.2774

42.4729, 65.4730,
73.0570

88.6938, 88.6984,
102.4319

42.0007, 65.2572,
71.7861

89.1087, 88.8644,
104.6168

89.5294, 89.0327,
106.8322

Harmonies

Analogous

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



64.7176, 76.4052, 74.2506



64.2364, 76.4052, 86.9634



65.9264, 76.4052, 99.9211

Triad

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



64.2364, 76.4052, 86.9634



78.2486, 76.4052, 104.5972



75.9105, 76.4052, 61.8281

Complementary

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



64.2364, 76.4052, 86.9634



61.0465, 55.5476, 55.6514

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.



79.7538, 76.4052, 68.4433



64.2364, 76.4052, 86.9634



81.1427, 76.4052, 92.8245

Square

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



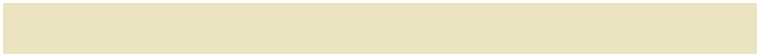
64.2364, 76.4052, 86.9634



73.9259, 76.4052, 110.7811



81.7049, 76.4052, 79.5318



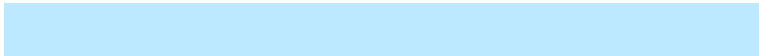
71.3312, 76.4052, 60.6122

Rectangle

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



64.2364, 76.4052, 86.9634



68.1006, 76.4052, 106.6448



81.7049, 76.4052, 79.5318



77.3368, 76.4052, 63.4578

Sweetspot

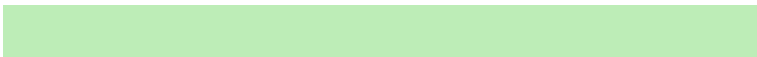
The Sweet Spot groups the original color and five complimentary colors.



64.2386, 76.4083, 86.9651



88.4673, 96.6432, 106.9329



59.8945, 74.8477, 56.0913



18.8202, 20.6268, 22.8522



0.0000, 0.0000, 0.0000



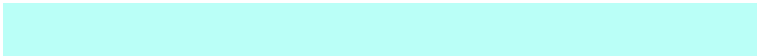
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2386, 76.4083, 86.9651



72.8882, 88.7147, 101.5583



59.4495, 65.4498, 89.6242



15.4413, 17.0914, 19.0069



22.9604, 35.6386, 39.3519



1.8235, 2.8067, 3.1986

Inverse Universe

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



61.0465, 55.5476, 55.6514



68.5461, 60.3273, 58.9549



64.9965, 64.4691, 53.8191



15.1335, 15.0813, 15.9885



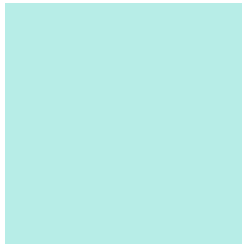
19.1952, 9.8808, 1.5632



1.5299, 0.7849, 0.2418

Previews

White Background



This preview shows how the XYZ color 64.2364, 76.4052, 86.9634 looks on a white background.

Color Contrast Check

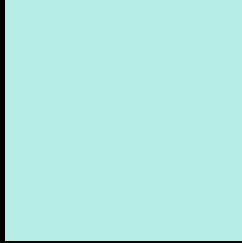
Large Text (above 18pt) WCAG AA × Fail

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 64.2364, 76.4052, 86.9634 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

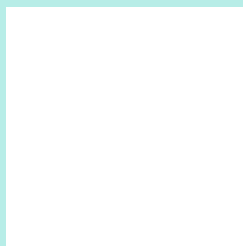
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2364, 76.4052, 86.9634

Background



This preview shows how black text looks on a background with the XYZ color 64.2364, 76.4052, 86.9634.



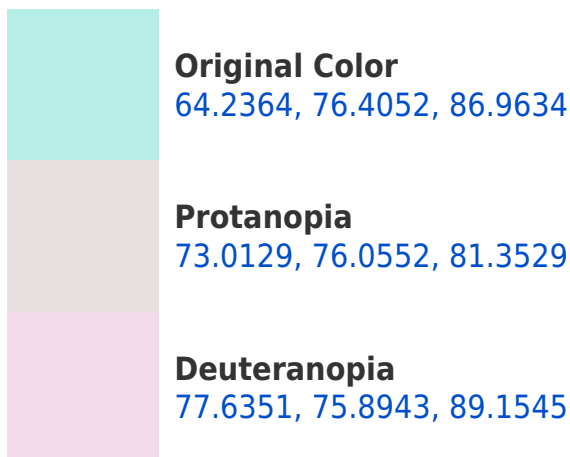
This preview shows how white text looks on a background with the XYZ color 64.2364, 76.4052,

86.9634.

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

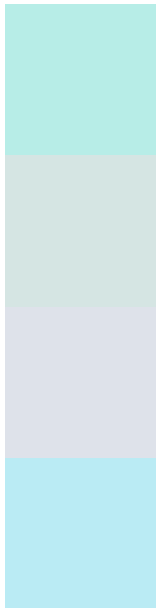




Tritanopia

67.4870, 76.4387, 103.2927

Trichromacy



Original Color

64.2364, 76.4052, 86.9634

Protanomaly

69.3250, 75.7308, 83.6367

Deuteranomaly

72.1718, 75.8628, 88.6810

Tritanomaly

66.2872, 76.3874, 96.8385

Monochromacy



Original Color

64.2364, 76.4052, 86.9634

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.3830, 73.0399, 81.1204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2364, 76.4052, 86.9634 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(183, 237, 231)` looks like.

```
.text, #text, p{  
    color:rgb(183, 237, 231)  
}
```

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(183, 237, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 237, 231) }
```

Border

The CSS property to change the border of an element to XYZ 64.2364, 76.4052, 86.9634 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(183, 237, 231) }
```


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

```
.border{ border-color:rgb(183, 237, 231) }
```

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

Here you see how a box with a 4 pixel rgb(183, 237, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 237, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 237, 231);  
box-shadow:4px 4px 4px 4px rgb(183, 237,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2364, 76.4052, 86.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 237, 231) }
```

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

```
.background{ background-color: rgb(183,  
237, 231) }
```

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