

Converting Colors

XYZ(64.4236, 75.2957,
101.9716)

Have a look what the booklet for
XYZ(64.4236, 75.2957, 101.9716)
contains.

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Color

**XYZ(64.4192, 75.3175,
101.5850)**

Conversions

Conversions Part 1

Format	Color
Hex	AEEBFA
RGB	174, 235, 250
RGB Percent	68%, 92%, 98%
CMY	0.3176, 0.0784, 0.0196
CMYK	0.30, 0.06, 0.00, 0.02
HSL	192°, 88%, 83%
HSV	192°, 30%, 98%
XYZ	64.4192, 75.3175, 101.5850
YIQ	218.4710, -41.1710, -8.2670

Conversions

Conversions Part 2

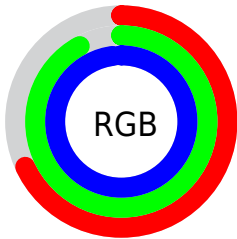
Format	Color
RYB	174, 208, 250
Decimal	11463674
CIELab	89.54, -15.72, -13.46
CIELCh	90, 20.695, 220.570
Yxy	75.3175, 0.2669, 0.3121
Android (android.graphics.Color)	4289653754 (0xFFAEEBFA)
YUV	218.4710, 15.5438, -39.0011
Hunter-Lab	86.7857, -19.3780, -8.6506

Details

The XYZ color **64.4192, 75.3175, 101.5850** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2629, 59.7758, 48.1442**, and the grayscale version is **66.8839, 70.3670, 76.6297**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **33.4655, 40.0572, 57.0069** is the 20% darker color. If you saturate the color by 10%, you get **57.9672, 69.9253, 100.8855**, and if you desaturate by 10%, it is **71.9515, 81.3284, 102.3495**.

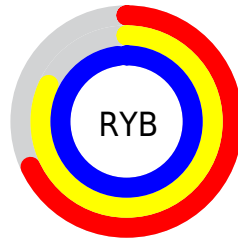
Distribution



Red (68%)

Green (92%)

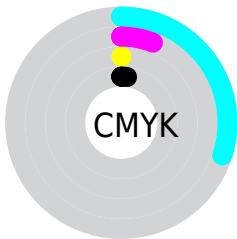
Blue (98%)



Red (68%)

Yellow (82%)

Blue (98%)

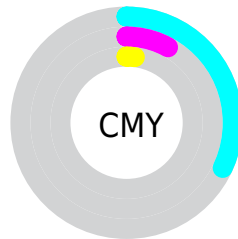


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (2%)



Cyan (32%)

Magenta (8%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4192, 75.3175, 101.5850 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 64.4192, 75.3175, 101.5850 by changing the saturation by 10% instead.

64.4192, 75.3175,
101.5850

64.4192, 75.3175,
101.5850

430.2802,
479.0081, 586.5525

47.2532, 55.8730,
77.0007

110.2848,
126.7617, 165.4045

33.4447, 40.1011,
56.7418

139.7151,
159.5302, 205.4767

22.6282, 27.6174,
40.3900

173.9643,
197.5089, 251.5486

14.4384, 18.0375,
27.5267

213.3977,
241.0821, 304.0387

8.5099, 10.9769,
17.7332

258.3806,
290.6342, 363.3656

4.4775, 6.0513,
10.5912

309.2784,

1.9756, 2.8763,

346.5497, 429.9479

5.6820

366.4565,
409.2129, 504.2040

0.6202, 1.0675,
2.5870

0.0000, 0.0000,
0.8857

64.4192, 75.3175,
101.5850

64.4192, 75.3175,
101.5850

57.9672, 69.9253,
100.8855

71.9515, 81.3284,
102.3495

52.5306, 65.1124,
100.2431

80.6106, 87.9770,
103.1764

48.0483, 60.8487,
99.6564

90.4488, 95.2925,
104.0699

44.4493, 57.0971,
99.1219

94.1721, 99.5152,
104.6888

■ 41.6523, 53.8153,
98.6359

■ 94.2556, 99.6822,
104.7166

■ 39.5604, 50.9527,
98.1936

■ 38.0648, 48.5207,
97.8030

Harmonies

Analogous

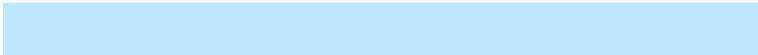
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.4060, 75.3175, 87.2485



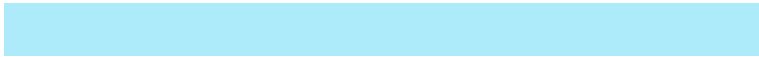
64.4192, 75.3175, 101.5850



68.3860, 75.3175, 111.3260

Triad

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



64.4192, 75.3175, 101.5850



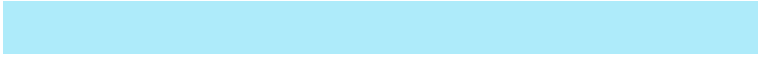
81.2015, 75.3175, 91.6722



69.8097, 75.3175, 57.4630

Complementary

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



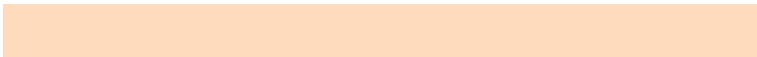
64.4192, 75.3175, 101.5850



65.2629, 59.7758, 48.1442

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.



74.8864, 75.3175, 58.3500



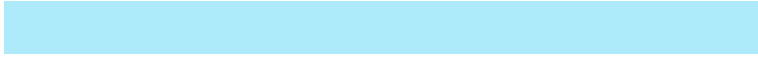
64.4192, 75.3175, 101.5850



81.6271, 75.3175, 76.9816

Square

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



64.4192, 75.3175, 101.5850



78.1310, 75.3175, 105.1511



79.2678, 75.3175, 65.1230



65.4190, 75.3175, 62.5371

Rectangle

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



64.4192, 75.3175, 101.5850



71.6843, 75.3175, 113.2894



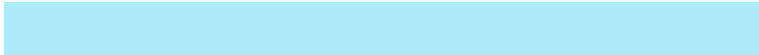
79.2678, 75.3175, 65.1230



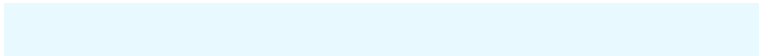
71.4898, 75.3175, 57.0903

Sweetspot

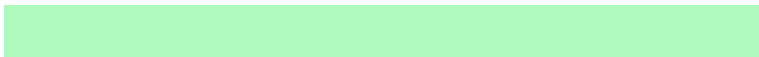
The Sweet Spot groups the original color and five complimentary colors.



64.4215, 75.3205, 101.5867



85.6772, 93.0486, 108.0522



60.7126, 80.9993, 59.9755



18.0346, 19.6872, 23.0994



0.0000, 0.0000, 0.0000



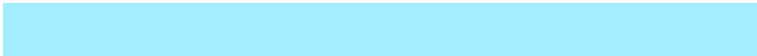
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4215, 75.3205, 101.5867



63.4461, 75.5293, 105.8424



54.9218, 56.3212, 98.4202



17.4578, 18.9924, 22.1311



20.2940, 25.9436, 51.9116



1.9512, 2.5460, 4.8318

Inverse Universe

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



69.5576, 56.5961, 85.8587



69.6419, 53.6332, 86.7142



74.2440, 77.7380, 51.1379



17.8376, 17.4624, 21.0005



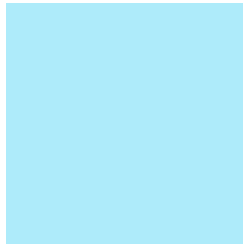
26.5355, 13.0299, 30.5921



2.4938, 1.2213, 3.0237

Previews

White Background



This preview shows how the XYZ color 64.4192, 75.3175, 101.5850 looks on a white background.

Color Contrast Check

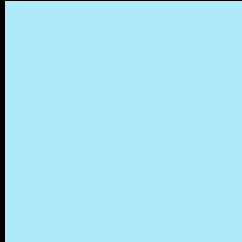
Large Text (above 18pt) WCAG AA × Fail

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 64.4192, 75.3175, 101.5850 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 64.4192, 75.3175, 101.5850

Background



This preview shows how black text looks on a background with the XYZ color 64.4192, 75.3175, 101.5850.

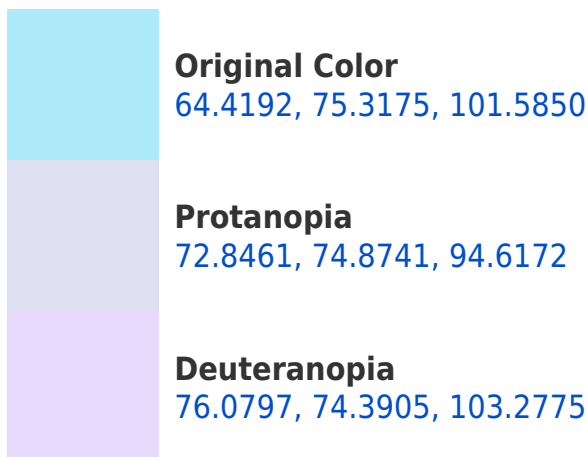


This preview shows how white text looks on a background with the XYZ color 64.4192, 75.3175,

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

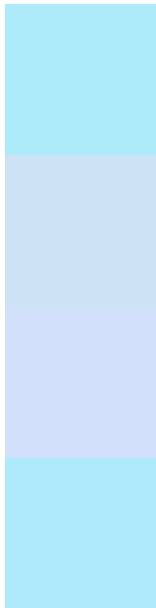




Tritanopia

64.8316, 75.0514, 103.9979

Trichromacy



Original Color

64.4192, 75.3175, 101.5850

Protanomaly

69.1274, 74.5099, 97.1246

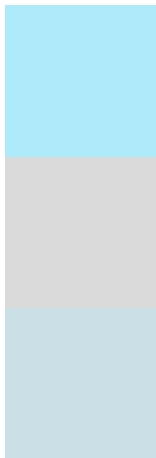
Deuteranomaly

71.0903, 74.1885, 102.6684

Tritanomaly

64.6727, 74.9879, 103.1610

Monochromacy



Original Color

64.4192, 75.3175, 101.5850

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.2957, 71.5810, 85.2380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4192, 75.3175, 101.5850 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(174, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(174, 235, 250)  
}
```

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(174, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 235, 250) }
```

Border

The CSS property to change the border of an element to XYZ 64.4192, 75.3175, 101.5850 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(174, 235, 250) }
```


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

```
.border{ border-color:rgb(174, 235, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(174, 235,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4192, 75.3175, 101.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 235, 250) }
```

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

```
.background{ background-color: rgb(174,  
235, 250) }
```

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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