

Converting Colors

XYZ(64.4790, 75.1534,
101.4679)

Have a look what the booklet for
XYZ(64.4790, 75.1534, 101.4679)
contains.

XYZ(64.6428, 75.4327, 101.5954)	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(64.6428, 75.4327,
101.5954)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE8FA
RGB	175, 235, 250
RGB Percent	69%, 92%, 98%
CMY	0.3137, 0.0784, 0.0196
CMYK	0.30, 0.06, 0.00, 0.02
HSL	192°, 88%, 83%
HSV	192°, 30%, 98%
XYZ	64.6428, 75.4327, 101.5954
YIQ	218.7700, -40.5750, -8.0550

Conversions

Conversions Part 2

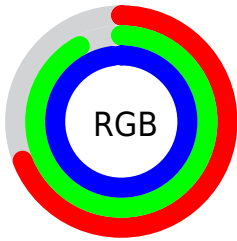
Format	Color
RYB	175, 208, 250
Decimal	11529210
CIELab	89.60, -15.44, -13.37
CIElCh	90, 20.430, 220.890
Yxy	75.4327, 0.2675, 0.3121
Android (android.graphics.Color)	4289719290 (0xFFAFEBFA)
YUV	218.7700, 15.3964, -38.3863
Hunter-Lab	86.8520, -19.1358, -8.5583

Details

The XYZ color **64.6428, 75.4327, 101.5954** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5766, 60.2467, 48.7316**, and the grayscale version is **67.0912, 70.5852, 76.8673**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **33.6034, 40.1283, 57.0134** is the 20% darker color. If you saturate the color by 10%, you get **58.1321, 69.9830, 100.8879**, and if you desaturate by 10%, it is **72.2370, 81.5043, 102.3684**.

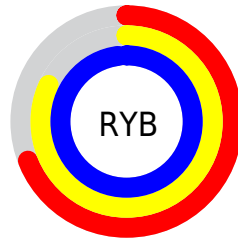
Distribution



Red (69%)

Green (92%)

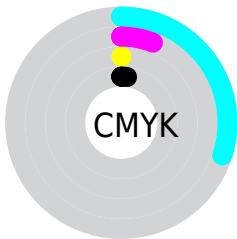
Blue (98%)



Red (69%)

Yellow (82%)

Blue (98%)

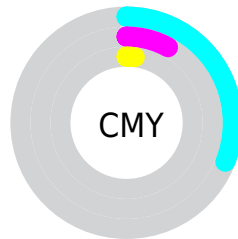


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (8%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6428, 75.4327, 101.5954 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 64.6428, 75.4327, 101.5954 by changing the saturation by 10% instead.

64.6428, 75.4327,
101.5954

64.6428, 75.4327,
101.5954

431.0728,
479.4035, 586.5860

47.4351, 55.9674,
77.0093

110.6047,
126.9247, 165.4189

33.5892, 40.1768,
56.7489

140.0897,
159.7202, 205.4933

22.7395, 27.6764,
40.3957

174.3978,
197.7279, 251.5676

14.5209, 18.0819,
27.5310

213.8944,
241.3322, 304.0603

8.5680, 11.0088,
17.7365

258.9448,
290.9176, 363.3900

4.5153, 6.0728,
10.5935

309.9144,

1.9976, 2.8894,

346.8683, 429.9751

5.6835

367.1686,
409.5688, 504.2342

■ 0.6326, 1.0743,
2.5879

■ 0.0000, 0.0000,
0.8862

■ 64.6428, 75.4327,
101.5954

■ 64.6428, 75.4327,
101.5954

■ 58.1321, 69.9830,
100.8879

■ 72.2370, 81.5043,
102.3684

■ 52.6403, 65.1160,
100.2380

■ 80.9613, 88.2168,
103.2042

■ 48.1064, 60.8016,
99.6442

■ 90.8675, 95.5994,
104.1070

■ 44.4598, 57.0029,
99.1031

■ 94.2556, 99.6822,
104.7165

■ 41.6197, 53.6777,
98.6110

■ 39.4900, 50.7759,
98.1631

■ 37.9121, 48.2153,
97.7521

■ 37.9120, 48.2151,
97.7520

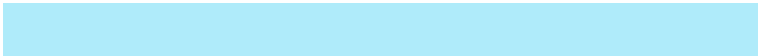
Harmonies

Analogous

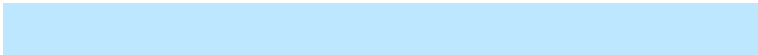
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6275, 75.4327, 87.4686



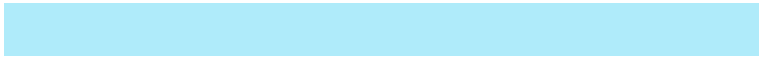
64.6428, 75.4327, 101.5954



68.5820, 75.4327, 111.1278

Triad

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



64.6428, 75.4327, 101.5954



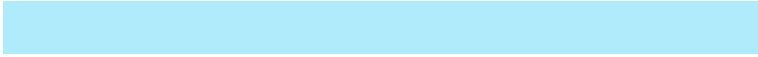
81.2114, 75.4327, 91.5222



69.8880, 75.4327, 57.8634

Complementary

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



64.6428, 75.4327, 101.5954



65.5766, 60.2467, 48.7316

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.



74.9040, 75.4327, 58.6794



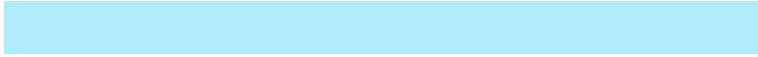
64.6428, 75.4327, 101.5954



81.6013, 75.4327, 77.0197

Square

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



64.6428, 75.4327, 101.5954



78.2040, 75.4327, 104.8593



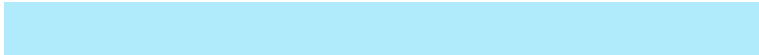
79.2456, 75.4327, 65.3305



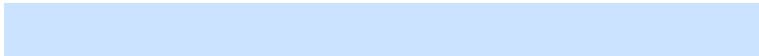
65.5604, 75.4327, 62.9539

Rectangle

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



64.6428, 75.4327, 101.5954



71.8466, 75.4327, 112.9981



79.2456, 75.4327, 65.3305



71.5467, 75.4327, 57.4727

Sweetspot

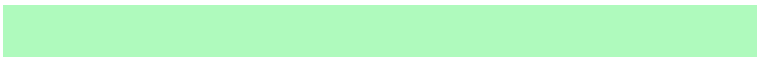
The Sweet Spot groups the original color and five complimentary colors.



64.6451, 75.4357, 101.5971



85.6583, 93.0109, 108.0460



61.0245, 81.1499, 60.4508



18.0299, 19.6779, 23.0979



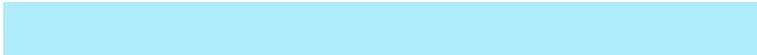
0.0000, 0.0000, 0.0000



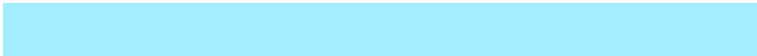
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6451, 75.4357, 101.5971



63.3762, 75.3895, 105.8191



55.3021, 56.7497, 98.4828



17.4537, 18.9842, 22.1297



20.2139, 25.7834, 51.8849



1.9444, 2.5325, 4.8295

Inverse Universe

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



69.7515, 56.9839, 85.9232



69.6067, 53.6190, 86.5284



74.4280, 77.9495, 51.6821



17.8355, 17.4616, 20.9897



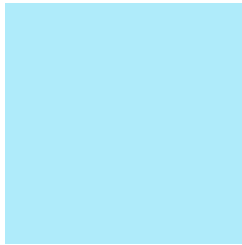
26.4951, 13.0138, 30.3792



2.4904, 1.2199, 3.0057

Previews

White Background



This preview shows how the XYZ color 64.6428, 75.4327, 101.5954 looks on a white background.

Color Contrast Check

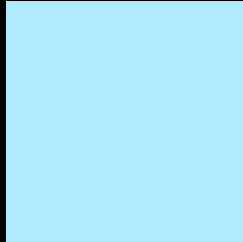
Large Text (above 18pt) WCAG AA × Fail

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 64.6428, 75.4327, 101.5954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

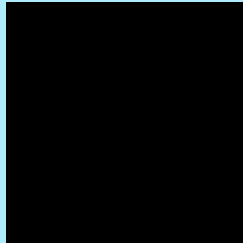
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6428, 75.4327, 101.5954

Background



This preview shows how black text looks on a background with the XYZ color 64.6428, 75.4327, 101.5954.

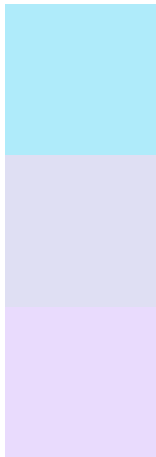


This preview shows how white text looks on a background with the XYZ color 64.6428, 75.4327,

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

64.6428, 75.4327, 101.5954

Protanopia

72.9968, 74.9344, 95.4105

Deuteranopia

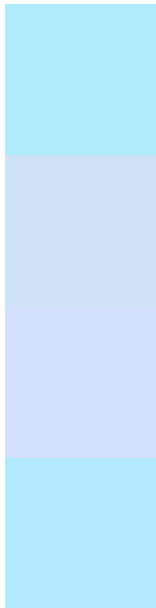
76.6654, 75.0785, 103.3794



Tritanopia

65.0569, 75.1676, 104.0084

Trichromacy



Original Color

64.6428, 75.4327, 101.5954

Protanomaly

69.5572, 74.7138, 97.9439

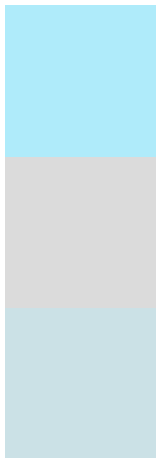
Deuteranomaly

71.6473, 74.8758, 102.7717

Tritanomaly

64.8980, 75.1040, 103.1715

Monochromacy



Original Color

64.6428, 75.4327, 101.5954

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.8367, 72.2601, 85.3405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6428, 75.4327, 101.5954 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(175, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 235, 250) }
```

Border

The CSS property to change the border of an element to XYZ 64.6428, 75.4327, 101.5954 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(175, 235, 250) }
```


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

```
.border{ border-color:rgb(175, 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(175, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(175, 235,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6428, 75.4327, 101.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 235, 250) }
```

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

```
.background{ background-color: rgb(175,  
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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