

Converting Colors

XYZ(64.6640, 76.1214,
102.6330)

Have a look what the booklet for
XYZ(64.6640, 76.1214, 102.6330)
contains.

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Color

**XYZ(64.7100, 76.3041,
102.5844)**

Conversions

Conversions Part 1

Format	Color
Hex	ACEDFB
RGB	172, 237, 251
RGB Percent	67%, 93%, 98%
CMY	0.3255, 0.0706, 0.0157
CMYK	0.31, 0.06, 0.00, 0.02
HSL	191°, 91%, 83%
HSV	191°, 31%, 98%
XYZ	64.7100, 76.3041, 102.5844
YIQ	219.1610, -43.2340, -9.4260

Conversions

Conversions Part 2

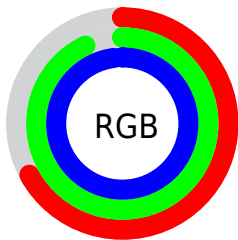
Format	Color
R _{YB}	172, 208, 251
Decimal	11333115
CIE _{Lab}	90.00, -17.04, -13.31
CIE _{LCh}	90, 21.619, 217.991
Yxy	76.3041, 0.2656, 0.3132
Android (android.graphics.Color)	4289523195 (0xFFACEDFB)
YUV	219.1610, 15.6966, -41.3602
Hunter-Lab	87.3522, -20.6347, -8.4822

Details

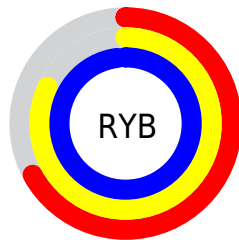
The XYZ color **64.7100, 76.3041, 102.5844** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7899, 58.6062, 46.9287**, and the grayscale version is **67.3615, 70.8695, 77.1769**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **33.5976, 40.7247, 57.1288** is the 20% darker color. If you saturate the color by 10%, you get **58.4418, 71.1866, 101.9283**, and if you desaturate by 10%, it is **72.0551, 82.0278, 103.3034**.

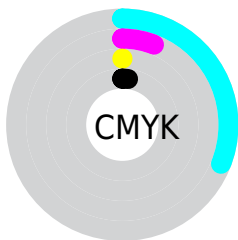
Distribution



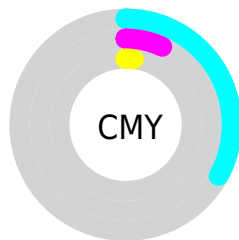
- Red (67%)
- Green (93%)
- Blue (98%)



- Red (67%)
- Yellow (82%)
- Blue (98%)



- Cyan (31%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (33%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7100, 76.3041, 102.5844 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 64.7100, 76.3041, 102.5844 by changing the saturation by 10% instead.

64.7100, 76.3041,
102.5844

64.7100, 76.3041,
102.5844

431.3108,
482.3881, 589.7644

47.4898, 56.6819,
77.8318

110.7009,
128.1567, 166.7870

33.6326, 40.7499,
57.4202

140.2022,
161.1558, 207.0740

22.7730, 28.1237,
40.9311

174.5280,
199.3828, 253.3762

14.5458, 18.4189,
27.9459

214.0436,
243.2219, 306.1122

8.5855, 11.2512,
18.0462

259.1143,
293.0576, 365.7005

4.5267, 6.2360,
10.8134

310.1055,

2.0042, 2.9891,

349.2743, 432.5596

5.8289

367.3825,
412.2563, 507.1080

0.6363, 1.1261,
2.6742

0.0000, 0.0000,
0.9304

64.7100, 76.3041,
102.5844

64.7100, 76.3041,
102.5844

58.4418, 71.1866,
101.9283

72.0551, 82.0278,
103.3034

53.1846, 66.6356,
101.3269

80.5245, 88.3771,
104.0825

48.8760, 62.6203,
100.7790

90.1712, 95.3813,
104.9260

45.4435, 59.1031,
100.2810

94.3471, 99.6136,
105.5228

■ 42.8037, 56.0405,
99.8290

■ 94.4128, 99.7451,
105.5448

■ 40.8565, 53.3807,
99.4182

■ 39.6116, 51.3627,
99.0943

Harmonies

Analogous

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



62.8000, 76.3041, 87.2489



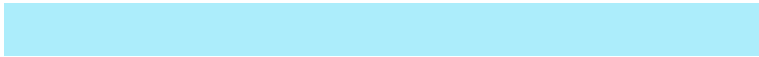
64.7100, 76.3041, 102.5844



68.7347, 76.3041, 113.5253

Triad

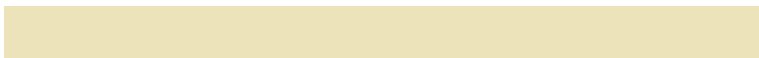
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.7100, 76.3041, 102.5844



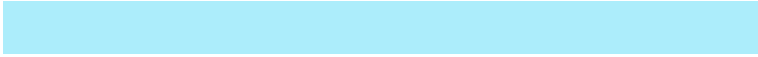
82.4944, 76.3041, 94.6284



71.1029, 76.3041, 57.1712

Complementary

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



64.7100, 76.3041, 102.5844



64.7899, 58.6062, 46.9287

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.



76.4516, 76.3041, 58.6350



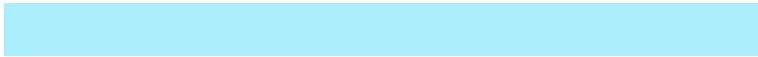
64.7100, 76.3041, 102.5844



83.2050, 76.3041, 79.0503

Square

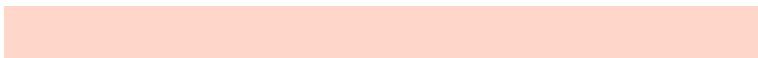
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



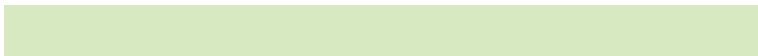
64.7100, 76.3041, 102.5844



79.0481, 76.3041, 108.5524



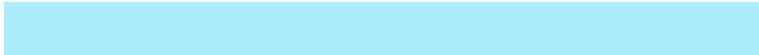
80.9446, 76.3041, 66.2229



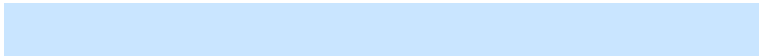
66.3705, 76.3041, 61.9445

Rectangle

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



64.7100, 76.3041, 102.5844



72.1645, 76.3041, 116.1690



80.9446, 76.3041, 66.2229



72.8862, 76.3041, 56.9624

Sweetspot

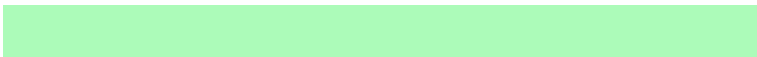
The Sweet Spot groups the original color and five complimentary colors.



64.7123, 76.3071, 102.5862



85.8214, 93.3371, 108.1003



60.2865, 81.2763, 58.5033



18.0703, 19.7587, 23.1114



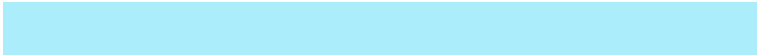
0.0000, 0.0000, 0.0000



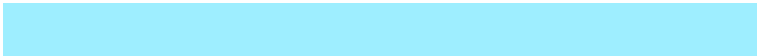
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7123, 76.3071, 102.5862



62.6956, 75.5500, 105.8859



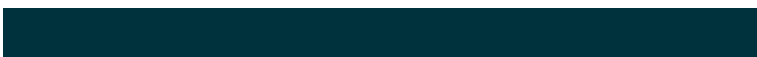
54.6978, 56.2781, 99.2480



17.4889, 19.0546, 22.1414



20.9184, 27.1923, 52.1197



2.0036, 2.6509, 4.8492

Inverse Universe

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



69.8241, 56.1305, 87.2783



68.8917, 51.9110, 87.1477



74.0667, 77.1597, 50.0209



17.8533, 17.4687, 21.0832



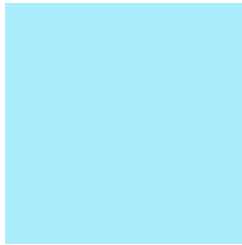
26.8507, 13.1560, 32.2516



2.5202, 1.2318, 3.1630

Previews

White Background



This preview shows how the XYZ color 64.7100, 76.3041, 102.5844 looks on a white background.

Color Contrast Check

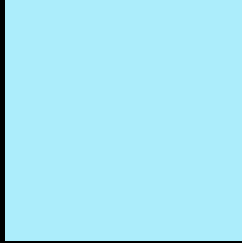
Large Text (above 18pt) WCAG AA × Fail

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 64.7100, 76.3041, 102.5844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

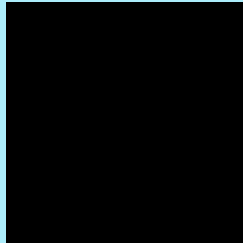
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7100, 76.3041, 102.5844

Background



This preview shows how black text looks on a background with the XYZ color 64.7100, 76.3041, 102.5844.

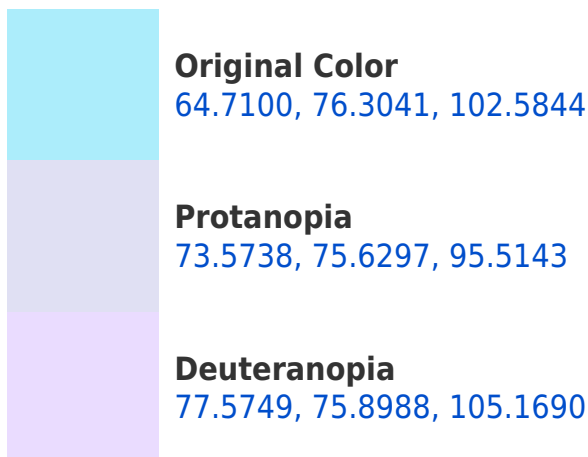


This preview shows how white text looks on a background with the XYZ color 64.7100, 76.3041,

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

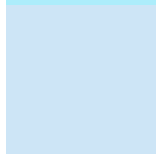
65.5010, 76.2096, 105.8654

Trichromacy



Original Color

64.7100, 76.3041, 102.5844



Protanomaly

69.8307, 75.6716, 98.1144



Deuteranomaly

71.9497, 75.3974, 104.5269



Tritanomaly

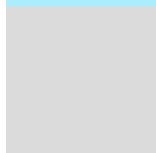
65.1184, 76.0309, 105.0093

Monochromacy



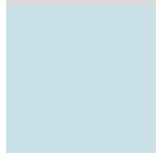
Original Color

64.7100, 76.3041, 102.5844



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.9773, 72.7188, 86.1601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7100, 76.3041, 102.5844 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(172, 237, 251)` looks like.

```
.text, #text, p{  
    color:rgb(172, 237, 251)  
}
```

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(172, 237, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 237, 251) }
```

Border

The CSS property to change the border of an element to XYZ 64.7100, 76.3041, 102.5844 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(172, 237, 251) }
```


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

```
.border{ border-color:rgb(172, 237, 251) }
```

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

Here you see how a box with a 4 pixel rgb(172, 237, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 237, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 237, 251);  
box-shadow:4px 4px 4px 4px rgb(172, 237,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7100, 76.3041, 102.5844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 237, 251) }
```

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

```
.background{ background-color: rgb(172,  
237, 251) }
```

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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