

Converting Colors

XYZ(64.1141, 72.2429, 92.4536)

Have a look what the booklet for
XYZ(64.1141, 72.2429, 92.4536)
contains.

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Color

**XYZ(64.3097, 72.5376,
92.2730)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE4EF
RGB	189, 228, 239
RGB Percent	74%, 89%, 94%
CMY	0.2588, 0.1059, 0.0627
CMYK	0.21, 0.05, 0.00, 0.06
HSL	193°, 61%, 84%
HSV	193°, 21%, 94%
XYZ	64.3097, 72.5376, 92.2730
YIQ	217.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

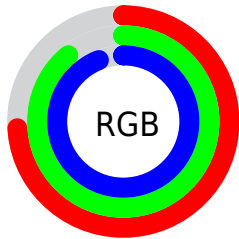
Format	Color
R _{YB}	189, 211, 239
Decimal	12444911
CIE Lab	88.23, -10.30, -9.56
CIE LCh	88, 14.056, 222.869
Yxy	72.5376, 0.2807, 0.3166
Android (android.graphics.Color)	4290634991 (0xFFBDE4EF)
YUV	217.5930, 10.5537, -25.0761
Hunter-Lab	85.1690, -14.2634, -4.6171

Details

The XYZ color **64.3097, 72.5376, 92.2730** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.4370, 63.3337, 56.9215**, and the grayscale version is **66.3050, 69.7580, 75.9665**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.4825, 38.4569, 50.4580** is the 20% darker color. If you saturate the color by 10%, you get **57.4390, 66.8831, 91.5449**, and if you desaturate by 10%, it is **72.2056, 78.7896, 93.0648**.

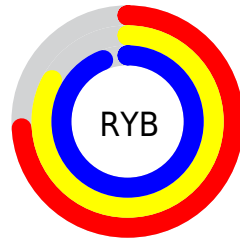
Distribution



Red (74%)

Green (89%)

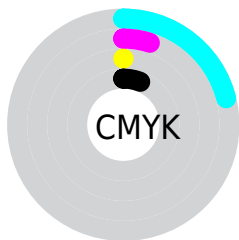
Blue (94%)



Red (74%)

Yellow (83%)

Blue (94%)

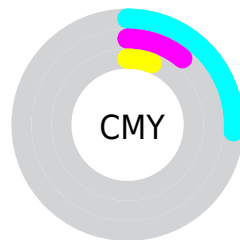


Cyan (21%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (26%)

Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3097, 72.5376, 92.2730 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 64.3097, 72.5376, 92.2730 by changing the saturation by 10% instead.

■ 64.3097, 72.5376,
92.2730

■ 64.3097, 72.5376,
92.2730

429.8917,
469.4106, 556.1572

■ 47.1642, 53.5980,
69.2831

■ 110.1281,
122.8205, 152.4547

■ 33.3740, 38.2803,
50.4691

139.5316,
154.9326, 190.4836

■ 22.5737, 26.2003,
35.4125

173.7519,
192.2043, 234.3625

■ 14.3980, 16.9736,
23.6947

213.1543,
235.0200, 284.5100

■ 8.4815, 10.2156,
14.8972

258.1041,
283.7641, 341.3448

■ 4.4590, 5.5422,
8.6015

308.9667,

■ 1.9649, 2.5687,

338.8210, 405.2851

4.3889

366.1074,
400.5750, 476.7498

■ 0.6141, 0.9110,
1.8410

■ 0.0000, 0.0000,
0.4548

■ 64.3097, 72.5376,
92.2730

■ 64.3097, 72.5376,
92.2730

■ 57.4390, 66.8831,
91.5449

■ 72.2056, 78.7896,
93.0648

■ 51.5388, 61.7918,
90.8731

■ 81.1652, 85.6539,
93.9175

■ 46.5591, 57.2392,
90.2568

■ 89.1031, 92.0580,
94.7352

■ 42.4426, 53.1951,
89.6932

■ 90.7056, 95.2629,
95.2694

■ 39.1253, 49.6259,
89.1791

■ 92.3536, 98.5588,
95.8187

■ 36.5338, 46.4933,
88.7111

■ 92.5802, 99.0121,
95.8943

■ 34.5806, 43.7514,
88.2848

■ 33.2307, 41.5331,
87.9278

Harmonies

Analogous

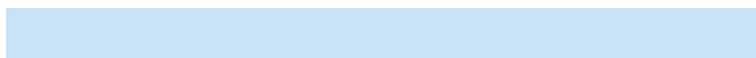
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8263, 72.5376, 83.1813



64.3097, 72.5376, 92.2730



67.0561, 72.5376, 98.0496

Triad

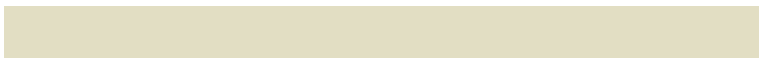
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.3097, 72.5376, 92.2730



75.3159, 72.5376, 84.5672



67.5135, 72.5376, 62.2556

Complementary

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



64.3097, 72.5376, 92.2730



65.4370, 63.3337, 56.9215

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.



70.8687, 72.5376, 62.5605



64.3097, 72.5376, 92.2730



75.4482, 72.5376, 74.9248

Square

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



64.3097, 72.5376, 92.2730



73.4419, 72.5376, 93.3585



73.7975, 72.5376, 67.0312



64.6352, 72.5376, 66.1612

Rectangle

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



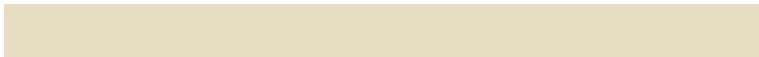
64.3097, 72.5376, 92.2730



69.2692, 72.5376, 98.9755



73.7975, 72.5376, 67.0312



68.6214, 72.5376, 61.8789

Sweetspot

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



64.3118, 72.5406, 92.2746



88.5792, 95.0845, 108.2923



62.2601, 76.7155, 66.0692



18.8148, 20.2409, 23.1652



0.0000, 0.0000, 0.0000



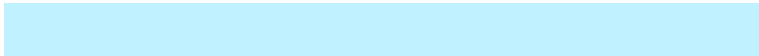
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3118, 72.5406, 92.2746



71.0477, 81.2266, 106.5414



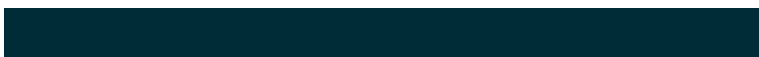
57.9631, 59.8431, 90.1584



15.9352, 17.3046, 20.2219



18.4651, 23.1544, 48.6239



1.6081, 2.0701, 4.0690

Inverse Universe

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



67.7996, 60.3491, 81.4772



75.7993, 64.9803, 91.7496



71.6634, 75.7866, 58.9970



16.2968, 15.9684, 19.1189



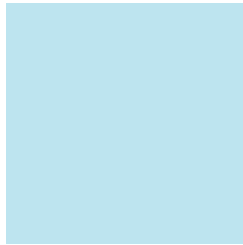
24.6459, 12.1308, 27.1157



2.0866, 1.0237, 2.4470

Previews

White Background



This preview shows how the XYZ color 64.3097, 72.5376, 92.2730 looks on a white background.

Color Contrast Check

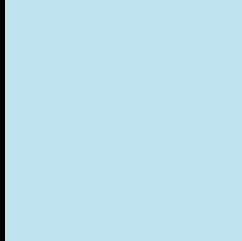
Large Text (above 18pt) WCAG AA × Fail

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 64.3097, 72.5376, 92.2730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

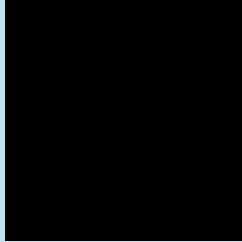
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3097, 72.5376, 92.2730

Background



This preview shows how black text looks on a background with the XYZ color 64.3097, 72.5376, 92.2730.

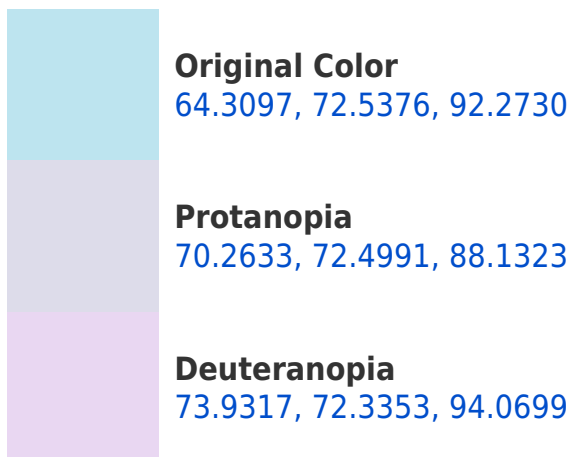


This preview shows how white text looks on a background with the XYZ color 64.3097, 72.5376,

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

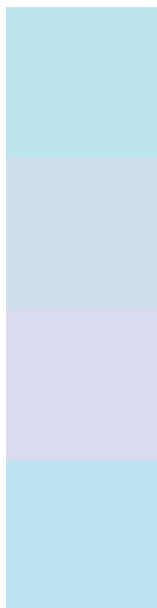




Tritanopia

65.1857, 72.4779, 96.9402

Trichromacy



Original Color

64.3097, 72.5376, 92.2730

Protanomaly

67.8225, 72.3868, 89.7543

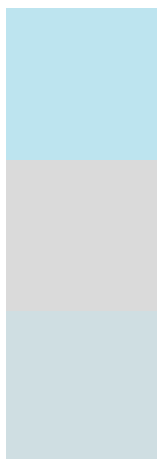
Deuteranomaly

70.0857, 72.2890, 93.4783

Tritanomaly

64.8820, 72.3564, 95.3406

Monochromacy



Original Color

64.3097, 72.5376, 92.2730

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.5809, 70.9989, 82.1992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3097, 72.5376, 92.2730 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(189, 228, 239)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 239)  
}
```

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(189, 228, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 239) }
```

Border

The CSS property to change the border of an element to XYZ 64.3097, 72.5376, 92.2730 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(189, 228, 239) }
```


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

```
.border{ border-color:rgb(189, 228, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 228, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 228, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 228, 239);  
box-shadow:4px 4px 4px 4px rgb(189, 228,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3097, 72.5376, 92.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 239) }
```

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

```
.background{ background-color: rgb(189,  
228, 239) }
```

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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