

Converting Colors

XYZ(49.9808, 62.8364, 84.0143)

Have a look what the booklet for
XYZ(49.9808, 62.8364, 84.0143)
contains.

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Color

**XYZ(50.0771, 62.9423,
84.3726)**

Conversions

Conversions Part 1

Format	Color
Hex	85DEE6
RGB	133, 222, 230
RGB Percent	52%, 87%, 90%
CMY	0.4784, 0.1294, 0.0980
CMYK	0.42, 0.03, 0.00, 0.10
HSL	185°, 66%, 71%
HSV	185°, 42%, 90%
XYZ	50.0771, 62.9423, 84.3726
YIQ	196.3010, -55.6120, -16.3800

Conversions

Conversions Part 2

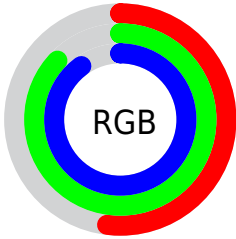
Format	Color
RYB	133, 179, 230
Decimal	8773350
CIELab	83.41, -24.67, -12.30
CIELCh	83, 27.562, 206.505
Yxy	62.9423, 0.2537, 0.3189
Android (android.graphics.Color)	4286963430 (0xFF85DEE6)
YUV	196.3010, 16.6136, -55.5150
Hunter-Lab	79.3362, -26.1689, -7.5185

Details

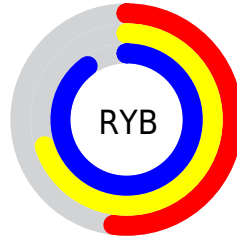
The XYZ color **50.0771, 62.9423, 84.3726** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.3927, 37.5672, 26.9979**, and the grayscale version is **52.5789, 55.3171, 60.2404**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.4582, 32.2284, 45.4891** is the 20% darker color. If you saturate the color by 10%, you get **46.3355, 60.2713, 84.0554**, and if you desaturate by 10%, it is **54.6232, 66.0393, 84.7319**.

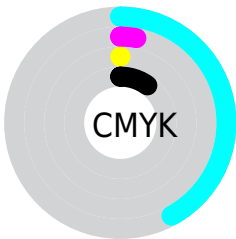
Distribution



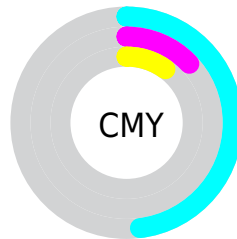
- Red (52%)
- Green (87%)
- Blue (90%)



- Red (52%)
- Yellow (70%)
- Blue (90%)



- Cyan (42%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (48%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0771, 62.9423, 84.3726 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 50.0771, 62.9423, 84.3726 by changing the saturation by 10% instead.


 50.0771, 62.9423,
84.3726


 50.0771, 62.9423,
84.3726


377.4144,
435.3601, 529.6401


 35.6927, 45.7945,
62.7759


 89.4802, 109.0863,
141.3626

 24.3660, 32.0837,
45.2201


 115.2297,
138.8512, 177.5931

 15.7315, 21.4254,
31.2866


 145.4982,
173.5908, 219.5386

 9.4240, 13.4353,
20.5569

180.6512,
213.6892, 267.6176

 5.0781, 7.7290,
12.6124

221.0539,
259.5309, 322.2487

 2.3284, 3.9220,
7.0346

267.0718,

 0.8091, 1.6300,

311.5004, 383.8505

3.4050

319.0702,
369.9820, 452.8414

■ 0.0000, 0.3777,
1.3050

■ 0.0000, 0.0000,
0.0659

■ 50.0771, 62.9423,
84.3726

■ 50.0771, 62.9423,
84.3726

■ 46.3355, 60.2713,
84.0554

■ 54.6232, 66.0393,
84.7319

■ 43.3402, 57.9920,
83.7733


■ 60.0157, 69.5797,
85.1310


■ 41.0343, 56.0765,
83.5251


■ 66.3006, 73.5886,
85.5736


■ 39.3503, 54.4899,
83.3076


■ 73.5187, 78.0870,
86.0614


 38.2068, 53.1902,
83.1170


 81.7085, 83.0949,
86.5964

 37.5867, 52.3204,
82.9818

 84.7704, 85.4678,
86.8930

 85.3113, 86.5496,
87.0733

 85.8580, 87.6431,
87.2556

 86.4106, 88.7481,
87.4397

Harmonies

Analogous

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



49.0259, 62.9423, 66.5378



50.0771, 62.9423, 84.3726



53.6774, 62.9423, 99.9678

Triad

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



50.0771, 62.9423, 84.3726



69.9776, 62.9423, 88.4462



60.5312, 62.9423, 40.5464

Complementary

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



50.0771, 62.9423, 84.3726



46.3927, 37.5672, 26.9979

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.



66.4244, 62.9423, 44.4940



50.0771, 62.9423, 84.3726



72.1032, 62.9423, 70.5687

Square

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



50.0771, 62.9423, 84.3726



65.1261, 62.9423, 102.5824



70.7618, 62.9423, 54.8121



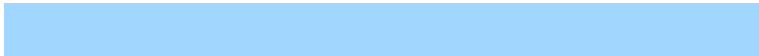
54.8193, 62.9423, 43.0000

Rectangle

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



50.0771, 62.9423, 84.3726



57.1711, 62.9423, 105.9718



70.7618, 62.9423, 54.8121



62.5593, 62.9423, 41.1493

Sweetspot

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



50.0790, 62.9448, 84.3741



83.0225, 92.5144, 108.0890



42.6655, 63.4592, 34.6070



17.3765, 19.5526, 23.1081



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.



50.0790, 62.9448, 84.3741



58.9343, 76.4445, 106.2568



39.2938, 41.3743, 80.7790



14.7005, 16.1223, 18.4815



21.3227, 29.7076, 46.9935



1.6059, 2.2557, 3.4827

Inverse Universe

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



54.2071, 38.8736, 73.7563



64.9385, 42.4631, 90.5823



54.8442, 54.4702, 29.8151



14.9412, 14.5936, 17.8905



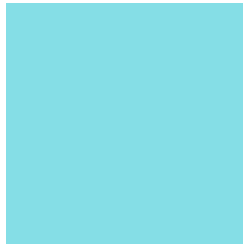
25.1562, 12.1967, 36.0473



1.8742, 0.9074, 2.7441

Previews

White Background



This preview shows how the XYZ color 50.0771, 62.9423, 84.3726 looks on a white background.

Color Contrast Check

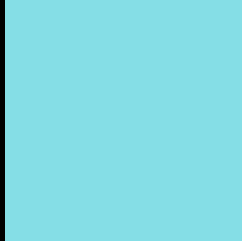
Large Text (above 18pt) WCAG AA × Fail

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 50.0771, 62.9423, 84.3726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

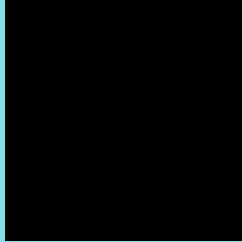
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0771, 62.9423, 84.3726

Background



This preview shows how black text looks on a background with the XYZ color 50.0771, 62.9423, 84.3726.



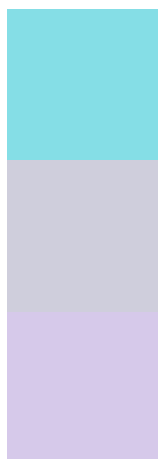
This preview shows how white text looks on a background with the XYZ color 50.0771, 62.9423,

84.3726.

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

50.0771, 62.9423, 84.3726

Protanopia

60.7217, 62.5753, 76.5880

Deuteranopia

63.4695, 62.0099, 86.4658



Tritanopia

51.2807, 63.0368, 90.3535

Trichromacy



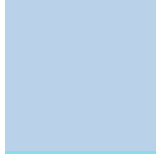
Original Color

50.0771, 62.9423, 84.3726



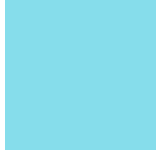
Protanomaly

55.8204, 62.1721, 79.5794



Deuteranomaly

57.5160, 61.7984, 85.9877



Tritanomaly

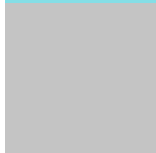
50.6834, 62.7794, 88.0436

Monochromacy



Original Color

50.0771, 62.9423, 84.3726



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.4501, 57.1009, 68.0371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0771, 62.9423, 84.3726 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(133, 222, 230)` looks like.

```
.text, #text, p{  
    color:rgb(133, 222, 230)  
}
```

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(133, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 222, 230) }
```

Border

The CSS property to change the border of an element to XYZ 50.0771, 62.9423, 84.3726 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(133, 222, 230) }
```


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

```
.border{ border-color:rgb(133, 222, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(133, 222,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0771, 62.9423, 84.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 222, 230) }
```

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

```
.background{ background-color: rgb(133,  
222, 230) }
```

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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