

Converting Colors

XYZ(48.0400, 60.7539, 79.4506)

Have a look what the booklet for
XYZ(48.0400, 60.7539, 79.4506)
contains.

XYZ(48.1461, 60.8701, 79.7326)	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(48.1461, 60.8701,
79.7326)**

Conversions

Conversions Part 1

Format	Color
Hex	83DBE0
RGB	131, 219, 224
RGB Percent	51%, 86%, 88%
CMY	0.4863, 0.1412, 0.1216
CMYK	0.42, 0.02, 0.00, 0.12
HSL	183°, 60%, 70%
HSV	183°, 42%, 88%
XYZ	48.1461, 60.8701, 79.7326
YIQ	193.2580, -54.0530, -17.1010

Conversions

Conversions Part 2

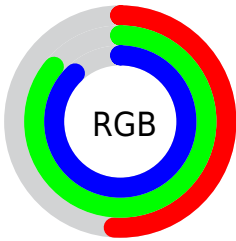
Format	Color
R_{YB}	131, 176, 224
Decimal	8641504
CIE _{Lab}	82.31, -25.17, -10.77
CIE _{LCh}	82, 27.377, 203.169
Yxy	60.8701, 0.2551, 0.3225
Android (android.graphics.Color)	4286831584 (0xFF83DBE0)
YUV	193.2580, 15.1558, -54.6003
Hunter-Lab	78.0193, -26.3805, -5.9785

Details

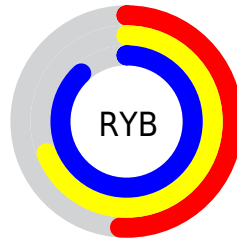
The XYZ color **48.1461, 60.8701, 79.7326** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.6424, 35.0952, 25.9480**, and the grayscale version is **50.7782, 53.4226, 58.1772**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **23.2609, 30.8713, 42.2689** is the 20% darker color. If you saturate the color by 10%, you get **44.7323, 58.6471, 79.4845**, and if you desaturate by 10%, it is **52.3157, 63.4890, 80.0194**.

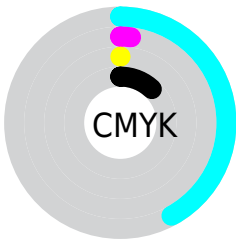
Distribution



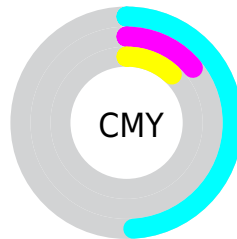
- Red (51%)
- Green (86%)
- Blue (88%)



- Red (51%)
- Yellow (69%)
- Blue (88%)



- Cyan (42%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)





- Cyan (49%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1461, 60.8701, 79.7326 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 48.1461, 60.8701, 79.7326 by changing the saturation by 10% instead.


 48.1461, 60.8701,
79.7326


 48.1461, 60.8701,
79.7326


369.9439,
427.7976, 513.7142


 34.1543, 44.1203,
58.9735


 86.6303, 106.0908,
134.7977

 23.1756, 30.7651,
42.1719


 111.8534,
135.3306, 169.9408

 14.8447, 20.4201,
28.9093


 141.5510,
169.5025, 210.7156

 8.7960, 12.7008,
18.7673


176.0885,
208.9909, 257.5406

 4.6644, 7.2228,
11.3271

215.8311,
254.1802, 310.8344

 2.0845, 3.6018,
6.1704

261.1443,

 0.6807, 1.4534,

305.4548, 371.0156

2.8785

312.3935,
363.1991, 438.5027

■ 0.0000, 0.2556,
1.0329

■ 0.0000, 0.0000,
0.0000

■ 48.1461, 60.8701,
79.7326

■ 48.1461, 60.8701,
79.7326

■ 44.7323, 58.6471,
79.4845

■ 52.3157, 63.4890,
80.0194

■ 42.0201, 56.7877,
79.2686

■ 57.2802, 66.5196,
80.3427

■ 39.9568, 55.2662,
79.0836

■ 63.0823, 69.9854,
80.7059

■ 38.4797, 54.0502,
78.9268

■ 69.7603, 73.9061,
81.1107

■ 37.5137, 53.1011,
78.7945

■ 77.3499, 78.3002,
81.5588

■ 36.9891, 52.4505,
78.6966

■ 81.9528, 81.1580,
81.8678

■ 82.2817, 81.8159,
81.9774

■ 82.6130, 82.4784,
82.0879

■ 82.9465, 83.1455,
82.1990

Harmonies

Analogous

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



47.4201, 60.8701, 62.5302



48.1461, 60.8701, 79.7326



51.3900, 60.8701, 95.4488

Triad

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



48.1461, 60.8701, 79.7326



67.3029, 60.8701, 87.4532



59.1993, 60.8701, 39.2304

Complementary

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



48.1461, 60.8701, 79.7326



43.6424, 35.0952, 25.9480

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.



64.8411, 60.8701, 43.7520



48.1461, 60.8701, 79.7326



69.7188, 60.8701, 70.1710

Square

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



48.1461, 60.8701, 79.7326



62.3802, 60.8701, 100.4036



68.7890, 60.8701, 54.4277



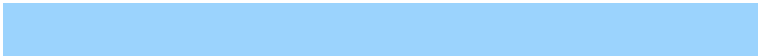
53.5545, 60.8701, 40.9193

Rectangle

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



48.1461, 60.8701, 79.7326



54.6686, 60.8701, 102.0139



68.7890, 60.8701, 54.4277



61.1633, 60.8701, 40.0452

Sweetspot

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



48.1479, 60.8725, 79.7340



84.1522, 93.6065, 108.2403



40.4361, 59.9055, 32.5955



17.7806, 19.8983, 23.1536



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.



48.1479, 60.8725, 79.7340



60.4900, 78.9963, 106.6674



37.7308, 40.0382, 76.2616



14.0502, 15.4395, 17.6273



21.5577, 30.5850, 45.8157



1.5138, 2.1591, 3.1822

Inverse Universe

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



51.6445, 37.1959, 71.4779



65.8604, 43.3547, 93.8244



51.5972, 51.0048, 28.5996



14.2615, 13.9223, 17.1475



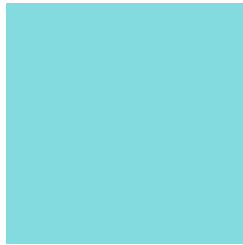
24.8216, 11.9956, 37.3216



1.7304, 0.8354, 2.6390

Previews

White Background



This preview shows how the XYZ color 48.1461, 60.8701, 79.7326 looks on a white background.

Color Contrast Check

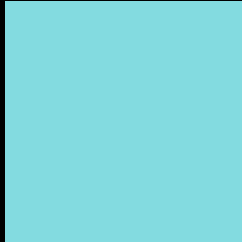
Large Text (above 18pt) WCAG AA × Fail

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 48.1461, 60.8701, 79.7326 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 48.1461, 60.8701, 79.7326

Background



This preview shows how black text looks on a background with the XYZ color 48.1461, 60.8701, 79.7326.

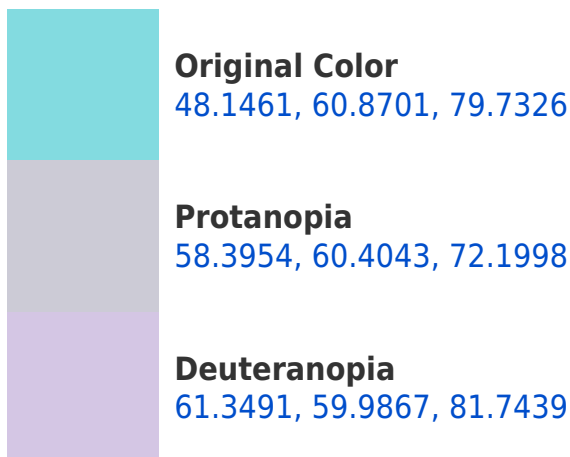


This preview shows how white text looks on a background with the XYZ color 48.1461, 60.8701,

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

49.6398, 60.6922, 87.6957

Trichromacy



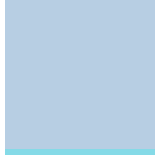
Original Color

48.1461, 60.8701, 79.7326



Protanomaly

53.5868, 60.0100, 75.0884



Deuteranomaly

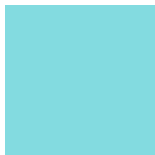
55.4649, 59.7559, 81.2838



Tritanomaly

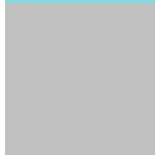
49.1681, 60.8989, 84.7645

Monochromacy



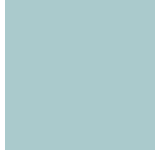
Original Color

48.1461, 60.8701, 79.7326



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.5972, 55.1467, 65.2098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1461, 60.8701, 79.7326 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(131, 219, 224)` looks like.

```
.text, #text, p{  
    color:rgb(131, 219, 224)  
}
```

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(131, 219, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 219, 224) }
```

Border

The CSS property to change the border of an element to XYZ 48.1461, 60.8701, 79.7326 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(131, 219, 224) }
```


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

```
.border{ border-color:rgb(131, 219, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 219, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 219, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 219, 224);  
box-shadow:4px 4px 4px 4px rgb(131, 219,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1461, 60.8701, 79.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 219, 224) }
```

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

```
.background{ background-color: rgb(131,  
219, 224) }
```

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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