

Converting Colors

XYZ(49.1183, 62.3929, 83.8187)

Have a look what the booklet for
XYZ(49.1183, 62.3929, 83.8187)
contains.

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Color

**XYZ(49.1662, 62.4889,
83.5990)**

Conversions

Conversions Part 1

Format	Color
Hex	80DEE5
RGB	128, 222, 229
RGB Percent	50%, 87%, 90%
CMY	0.4980, 0.1294, 0.1020
CMYK	0.44, 0.03, 0.00, 0.10
HSL	184°, 66%, 70%
HSV	184°, 44%, 90%
XYZ	49.1662, 62.4889, 83.5990
YIQ	194.6920, -58.2710, -17.7510

Conversions

Conversions Part 2

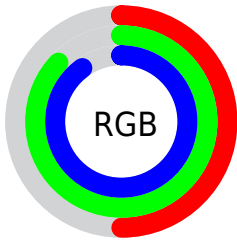
Format	Color
RYB	128, 177, 229
Decimal	8445669
CIELab	83.17, -26.10, -12.15
CIELCh	83, 28.787, 204.965
Yxy	62.4889, 0.2518, 0.3200
Android (android.graphics.Color)	4286635749 (0xFF80DEE5)
YUV	194.6920, 16.9138, -58.4889
Hunter-Lab	79.0499, -27.3168, -7.3670

Details

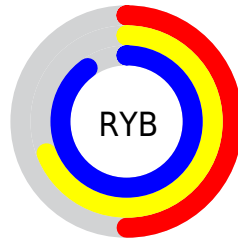
The XYZ color **49.1662, 62.4889, 83.5990** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.8744, 35.5454, 24.9193**, and the grayscale version is **51.6176, 54.3057, 59.1389**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **23.9129, 31.9586, 44.9527** is the 20% darker color. If you saturate the color by 10%, you get **45.6838, 60.0724, 83.3172**, and if you desaturate by 10%, it is **53.4335, 65.3188, 83.9214**.

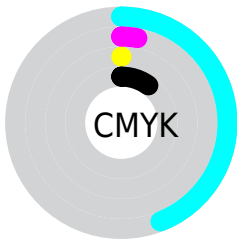
Distribution



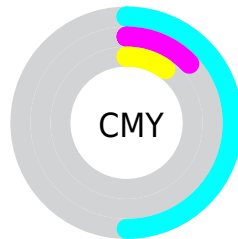
- Red (50%)
- Green (87%)
- Blue (90%)



- Red (50%)
- Yellow (69%)
- Blue (90%)



- Cyan (44%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)





- Cyan (50%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1662, 62.4889, 83.5990 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 49.1662, 62.4889, 83.5990 by changing the saturation by 10% instead.


 49.1662, 62.4889,
83.5990


 49.1662, 62.4889,
83.5990


373.9024,
433.7122, 527.0039


 34.9664, 45.4279,
62.1409


 88.1375, 108.4318,
140.2708

 23.8034, 31.7946,
44.7101


 113.6397,
138.0825, 176.3217

 15.3118, 21.2046,
30.8878


 143.6401,
172.6985, 218.0739

 9.1262, 13.2737,
20.2557

178.5040,
212.6642, 265.9459

 4.8814, 7.6173,
12.3951

218.5969,
258.3640, 320.3564

 2.2119, 3.8510,
6.8876

264.2840,

 0.7490, 1.5906,

310.1824, 381.7239

3.3145

315.9307,
368.5036, 450.4669

■ 0.0000, 0.3512,
1.2574

■ 0.0000, 0.0000,
0.0265

■ 49.1662, 62.4889,
83.5990

■ 49.1662, 62.4889,
83.5990

■ 45.6838, 60.0724,
83.3172

■ 53.4335, 65.3188,
83.9214

■ 42.9278, 58.0349,
83.0692


■ 58.5282, 68.5797,
84.2823


■ 40.8405, 56.3478,
82.8536


■ 64.4963, 72.2968,
84.6852

■ 39.3529, 54.9758,
82.6671


■ 71.3787, 76.4911,
85.1321


 38.3810, 53.8755,
82.5060


 79.2139, 81.1826,
85.6246

 37.9713, 53.3136,
82.4191

 84.1058, 84.3627,
85.9806

 84.5533, 85.2576,
86.1298

 85.0048, 86.1606,
86.2803

 85.4603, 87.0717,
86.4321

Harmonies

Analogous

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



48.2247, 62.4889, 65.0679



49.1662, 62.4889, 83.5990



52.7681, 62.4889, 100.2351

Triad

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



49.1662, 62.4889, 83.5990



69.7706, 62.4889, 89.7365



60.4533, 62.4889, 39.2273

Complementary

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



49.1662, 62.4889, 83.5990



44.8744, 35.5454, 24.9193

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.



66.5522, 62.4889, 43.6022



49.1662, 62.4889, 83.5990



72.1667, 62.4889, 71.1008

Square

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



49.1662, 62.4889, 83.5990



64.6036, 62.4889, 104.1912



70.9497, 62.4889, 54.5418



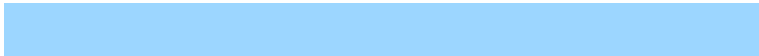
54.4720, 62.4889, 41.3985

Rectangle

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



49.1662, 62.4889, 83.5990



56.3351, 62.4889, 106.9174



70.9497, 62.4889, 54.5418



62.5613, 62.4889, 39.9548

Sweetspot

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



49.1681, 62.4913, 83.6005



83.1599, 92.7892, 108.1349



41.2772, 62.3709, 32.6881



17.4108, 19.6212, 23.1196



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.



49.1681, 62.4913, 83.6005



58.6201, 76.8926, 106.3599



37.7545, 39.6642, 79.7959



14.7175, 16.1564, 18.4871



21.7465, 30.5551, 47.1347



1.6328, 2.3095, 3.4917

Inverse Universe

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



53.2186, 37.3718, 73.5185



64.5172, 41.2884, 91.4651



53.6085, 53.0137, 27.8307



14.9497, 14.5971, 17.9357



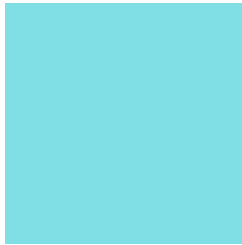
25.3701, 12.2823, 37.1737



1.8878, 0.9128, 2.8156

Previews

White Background



This preview shows how the XYZ color 49.1662, 62.4889, 83.5990 looks on a white background.

Color Contrast Check

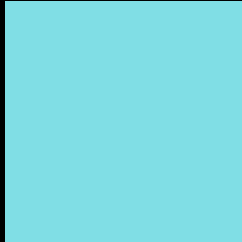
Large Text (above 18pt) WCAG AA × Fail

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 49.1662, 62.4889, 83.5990 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 49.1662, 62.4889, 83.5990

Background



This preview shows how black text looks on a background with the XYZ color 49.1662, 62.4889, 83.5990.

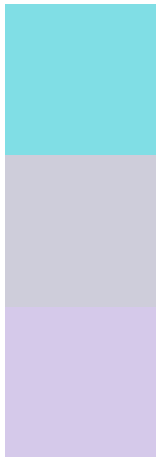


This preview shows how white text looks on a background with the XYZ color 49.1662, 62.4889,

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

49.1662, 62.4889, 83.5990

Protanopia

59.9398, 61.8464, 75.1081

Deuteranopia

63.1785, 61.8599, 86.4522



Tritanopia

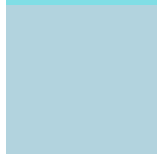
50.6491, 62.7112, 90.3239

Trichromacy



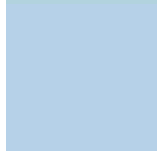
Original Color

49.1662, 62.4889, 83.5990



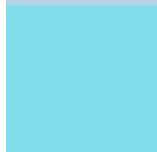
Protanomaly

54.8392, 61.3274, 78.0543



Deuteranomaly

56.6574, 61.3722, 85.2038



Tritanomaly

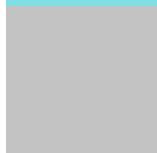
50.0578, 62.4569, 88.0143

Monochromacy



Original Color

49.1662, 62.4889, 83.5990



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.8884, 56.8256, 67.3705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1662, 62.4889, 83.5990 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(128, 222, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 222, 229)  
}
```

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(128, 222, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 222, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.1662, 62.4889, 83.5990 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(128, 222, 229) }
```


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

```
.border{ border-color:rgb(128, 222, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 222, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 222, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 222, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 222,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1662, 62.4889, 83.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 222, 229) }
```

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

```
.background{ background-color: rgb(128,  
222, 229) }
```

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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