

Converting Colors

XYZ(49.1414, 63.8347, 80.3003)

Have a look what the booklet for
XYZ(49.1414, 63.8347, 80.3003)
contains.

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Color

**XYZ(49.1322, 63.7443,
80.2353)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE1E0
RGB	127, 225, 224
RGB Percent	50%, 88%, 88%
CMY	0.5019, 0.1176, 0.1216
CMYK	0.44, 0.00, 0.00, 0.12
HSL	179°, 62%, 69%
HSV	179°, 44%, 88%
XYZ	49.1322, 63.7443, 80.2353
YIQ	195.5840, -58.0870, -21.0870

Conversions

Conversions Part 2

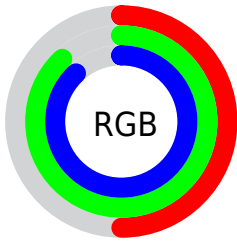
Format	Color
RYB	127, 176, 225
Decimal	8380896
CIELab	83.83, -29.03, -8.52
CIELCh	84, 30.259, 196.359
Yxy	63.7443, 0.2544, 0.3301
Android (android.graphics.Color)	4286570976 (0xFF7FE1E0)
YUV	195.5840, 14.0091, -60.1482
Hunter-Lab	79.8400, -29.8742, -3.6955

Details

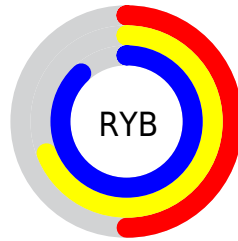
The XYZ color **49.1322, 63.7443, 80.2353** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.5393, 32.7468, 24.5032**, and the grayscale version is **52.1657, 54.8824, 59.7669**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **23.7333, 32.4695, 42.5525** is the 20% darker color. If you saturate the color by 10%, you get **46.1174, 62.1953, 79.9328**, and if you desaturate by 10%, it is **52.8990, 65.6841, 80.5760**.

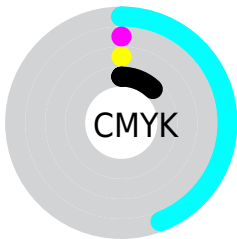
Distribution



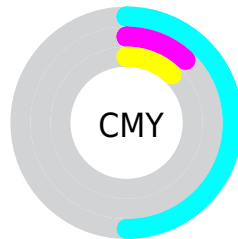
- Red (50%)
- Green (88%)
- Blue (88%)



- Red (50%)
- Yellow (69%)
- Blue (88%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (50%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1322, 63.7443, 80.2353 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 49.1322, 63.7443, 80.2353 by changing the saturation by 10% instead.

49.1322, 63.7443,
80.2353

49.1322, 63.7443,
80.2353

373.7709,
438.2657, 515.4531

34.9393, 46.4436,
59.3847

88.0873, 110.2426,
135.5109

23.7824, 32.5960,
42.5008

113.5803,
140.2090, 170.7729

15.2962, 21.8172,
29.1652

143.5706,
175.1661, 211.6759

9.1152, 13.7226,
18.9591

178.4237,
215.4983, 258.6383

4.8741, 7.9280,
11.4642

218.5049,
261.5899, 312.0787

2.2076, 4.0489,
6.2619

264.1796,

0.7467, 1.7010,

313.8254, 372.4156

2.9336

315.8132,
372.5892, 440.0676

■ 0.0000, 0.4243,
1.0609

■ 0.0000, 0.0000,
0.0000

■ 49.1322, 63.7443,
80.2353

■ 49.1322, 63.7443,
80.2353

■ 46.1174, 62.1953,
79.9328

■ 52.8990, 65.6841,
80.5760

■ 43.7987, 61.0035,
79.6616


■ 57.4580, 68.0307,
80.9527


■ 42.1211, 60.1423,
79.4207


■ 62.8530, 70.8083,
81.3687


■ 41.0195, 59.5780,
79.2070


■ 69.1233, 74.0372,
81.8258

 40.4144, 59.2696,
79.0167


 76.3055, 77.7361,
82.3259

 40.2054, 59.1642,
78.9027

 81.8091, 80.5696,
82.7476

 81.8406, 80.5822,
82.9135

 81.8721, 80.5949,
83.0796

 81.9037, 80.6075,
83.2459

Harmonies

Analogous

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



48.9959, 63.7443, 61.1270



49.1322, 63.7443, 80.2353



52.1874, 63.7443, 99.4092

Triad

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



49.1322, 63.7443, 80.2353



70.3151, 63.7443, 97.8574



63.6516, 63.7443, 39.5660

Complementary

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



49.1322, 63.7443, 80.2353



42.5393, 32.7468, 24.5032

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.



69.8428, 63.7443, 46.1442



49.1322, 63.7443, 80.2353



73.8757, 63.7443, 78.4022

Square

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



49.1322, 63.7443, 80.2353



64.2587, 63.7443, 110.7865



73.6968, 63.7443, 59.5991



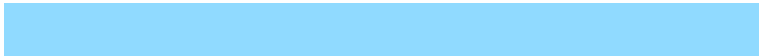
57.0580, 63.7443, 39.8757

Rectangle

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



49.1322, 63.7443, 80.2353



55.6049, 63.7443, 108.6288



73.6968, 63.7443, 59.5991



65.8582, 63.7443, 40.9847

Sweetspot

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



49.1341, 63.7468, 80.2368



83.8337, 94.2241, 108.0904



39.7557, 60.0238, 29.5707



17.5793, 19.9801, 23.1084



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.



49.1341, 63.7468, 80.2368



61.6752, 82.8198, 106.2023



38.1926, 41.6456, 77.2624



14.1102, 15.5698, 17.6157



23.1702, 34.0929, 45.4807



1.6080, 2.3639, 3.1629

Inverse Universe

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



42.5393, 32.7468, 24.5032



51.8714, 36.7266, 23.3431



50.0914, 47.9562, 26.6966



13.7129, 13.7028, 14.2584



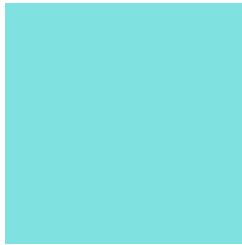
17.9031, 9.2282, 0.8893



1.2430, 0.6405, 0.0723

Previews

White Background



This preview shows how the XYZ color 49.1322, 63.7443, 80.2353 looks on a white background.

Color Contrast Check

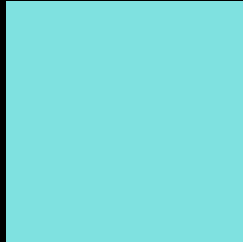
Large Text (above 18pt) WCAG AA × Fail

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 49.1322, 63.7443, 80.2353 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

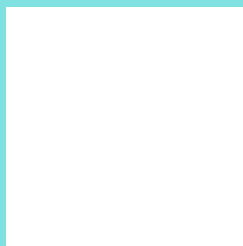
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1322, 63.7443, 80.2353

Background



This preview shows how black text looks on a background with the XYZ color 49.1322, 63.7443, 80.2353.



This preview shows how white text looks on a background with the XYZ color 49.1322, 63.7443,

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

49.1322, 63.7443, 80.2353

Protanopia

60.9014, 63.1314, 71.9265

Deuteranopia

64.1768, 62.8036, 82.8686



Tritanopia

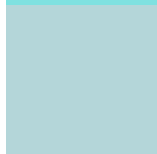
51.3652, 63.4394, 91.9759

Trichromacy



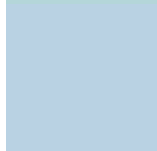
Original Color

49.1322, 63.7443, 80.2353



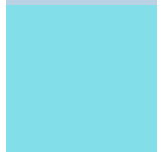
Protanomaly

55.3933, 62.8062, 74.8489



Deuteranomaly

56.9193, 61.9535, 81.6313



Tritanomaly

50.4449, 63.4617, 87.4325

Monochromacy



Original Color

49.1322, 63.7443, 80.2353



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.2480, 57.7398, 66.8891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1322, 63.7443, 80.2353 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(127, 225, 224)` looks like.

```
.text, #text, p{  
    color:rgb(127, 225, 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(127, 225, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 225, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.1322, 63.7443, 80.2353 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(127, 225, 224) }
```


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

```
.border{ border-color:rgb(127, 225, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 225, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(127, 225,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1322, 63.7443, 80.2353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 225, 224) }
```

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

```
.background{ background-color: rgb(127,  
225, 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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