

Converting Colors

XYZ(47.1887, 63.0720, 71.9275)

Have a look what the booklet for
XYZ(47.1887, 63.0720, 71.9275)
contains.

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Color

**XYZ(47.1211, 62.8890,
71.9426)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE1D4
RGB	124, 225, 212
RGB Percent	49%, 88%, 83%
CMY	0.5137, 0.1176, 0.1686
CMYK	0.45, 0.00, 0.06, 0.12
HSL	172°, 63%, 68%
HSV	172°, 45%, 88%
XYZ	47.1211, 62.8890, 71.9426
YIQ	193.3190, -56.0230, -25.4550

Conversions

Conversions Part 2

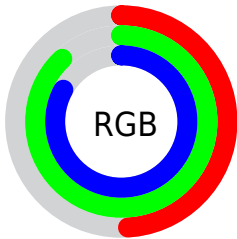
Format	Color
RYB	124, 178, 225
Decimal	8184276
CIELab	83.38, -32.65, -2.84
CIELCh	83, 32.776, 184.979
Yxy	62.8890, 0.2590, 0.3456
Android (android.graphics.Color)	4286374356 (0xFF7CE1D4)
YUV	193.3190, 9.2097, -60.7928
Hunter-Lab	79.3026, -32.7159, 1.7244

Details

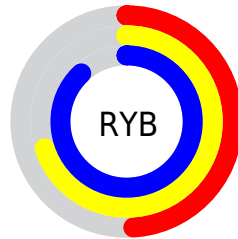
The XYZ color **47.1211, 62.8890, 71.9426** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.7765, 32.2309, 27.6359**, and the grayscale version is **50.8489, 53.4970, 58.2583**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **22.4537, 31.9341, 36.8787** is the 20% darker color. If you saturate the color by 10%, you get **43.8713, 61.2571, 69.9013**, and if you desaturate by 10%, it is **51.1229, 64.9109, 74.0560**.

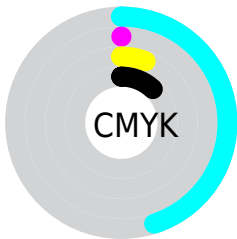
Distribution



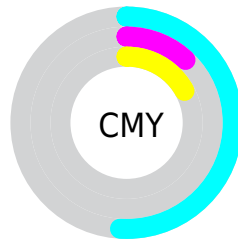
- Red (49%)
- Green (88%)
- Blue (83%)



- Red (49%)
- Yellow (70%)
- Blue (88%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)





- Cyan (51%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1211, 62.8890, 71.9426 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 47.1211, 62.8890, 71.9426 by changing the saturation by 10% instead.


 47.1211, 62.8890,
71.9426


 47.1211, 62.8890,
71.9426


365.9385,
435.1665, 486.3140


 33.3397, 45.7514,
52.6252


 85.1120, 109.0094,
123.6819

 22.5473, 32.0497,
37.1180

 110.0523,
138.7609, 156.9409

 14.3785, 21.3995,
25.0024

 139.4429,
173.4859, 195.6842

 8.4678, 13.4163,
15.8598

173.6492,
213.5688, 240.3303

 4.4500, 7.7158,
9.2717

213.0365,
259.3939, 291.2978

 1.9597, 3.9137,
4.8196

257.9703,

 0.6112, 1.6254,

311.3456, 349.0052

2.0849

308.8159,
369.8084, 413.8711

■ 0.0000, 0.3746,
0.6068

■ 0.0000, 0.0000,
0.0000

■ 47.1211, 62.8890,
71.9426

■ 47.1211, 62.8890,
71.9426

■ 43.8713, 61.2571,
69.9013

■ 51.1229, 64.9109,
74.0560

■ 41.3169, 59.9813,
67.9253


■ 55.9176, 67.3393,
76.2396


■ 39.4021, 59.0345,
66.0130


■ 61.5495, 70.1986,
78.4969


■ 38.0600, 58.3822,
64.1613

■ 68.0582, 73.5090,
80.8300


 37.2086, 57.9822,
62.3660


 75.4807, 77.2898,
83.2408

 36.8944, 57.8398,
61.4668

 82.3624, 80.7910,
85.6614

 82.7713, 80.9545,
87.8143

 83.1869, 81.1208,
90.0029

 83.6093, 81.2898,
92.2275

Harmonies

Analogous

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



48.1836, 62.8890, 53.1644



47.1211, 62.8890, 71.9426



49.2224, 62.8890, 93.5617

Triad

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



47.1211, 62.8890, 71.9426



67.9896, 62.8890, 105.9805



65.7669, 62.8890, 38.6845

Complementary

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



47.1211, 62.8890, 71.9426



42.7765, 32.2309, 27.6359

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.



71.7354, 62.8890, 48.3293



47.1211, 62.8890, 71.9426



73.0885, 62.8890, 86.4754

Square

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



47.1211, 62.8890, 71.9426



60.9728, 62.8890, 115.5538



74.5108, 62.8890, 65.1215



58.5912, 62.8890, 36.3158

Rectangle

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



47.1211, 62.8890, 71.9426



52.2411, 62.8890, 105.9583



74.5108, 62.8890, 65.1215



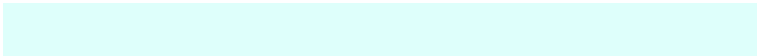
67.9986, 62.8890, 41.0739

Sweetspot

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



47.1229, 62.8915, 71.9441



83.2087, 93.9741, 104.7990



40.9585, 60.6661, 28.6212



17.4232, 19.9177, 22.2860



0.0000, 0.0000, 0.0000



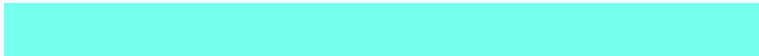
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1229, 62.8915, 71.9441



58.4625, 81.4531, 92.9708



39.8809, 45.6758, 77.9513



14.0367, 15.5404, 17.2282



21.2900, 33.3409, 35.5799



1.4972, 2.3196, 2.5793

Inverse Universe

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



42.7765, 32.2309, 27.6359



52.0114, 35.8026, 27.1009



47.4423, 42.9663, 24.8630



13.7787, 13.7291, 14.6048



18.0444, 9.2848, 1.6335



1.2744, 0.6530, 0.2380

Previews

White Background



This preview shows how the XYZ color 47.1211, 62.8890, 71.9426 looks on a white background.

Color Contrast Check

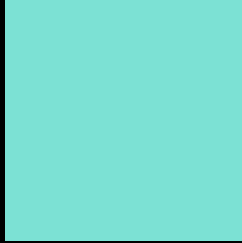
Large Text (above 18pt) WCAG AA × Fail

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 47.1211, 62.8890, 71.9426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

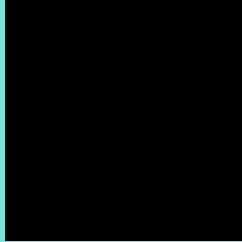
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

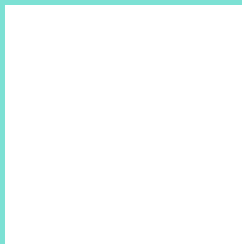
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1211, 62.8890, 71.9426

Background



This preview shows how black text looks on a background with the XYZ color 47.1211, 62.8890, 71.9426.



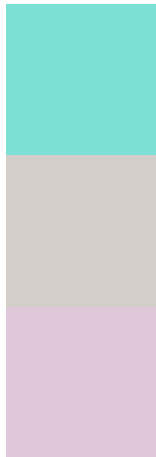
This preview shows how white text looks on a background with the XYZ color 47.1211, 62.8890,

71.9426.

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

47.1211, 62.8890, 71.9426

Protanopia

59.4779, 62.2085, 64.1310

Deuteranopia

63.3029, 61.8479, 74.2471



Tritanopia

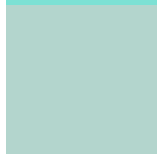
50.9522, 62.8504, 91.1072

Trichromacy



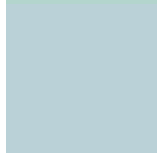
Original Color

47.1211, 62.8890, 71.9426



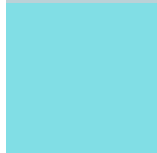
Protanomaly

53.4041, 61.5800, 66.8290



Deuteranomaly

55.3159, 60.9463, 73.1383



Tritanomaly

49.3174, 62.5668, 83.6060

Monochromacy



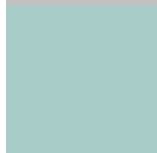
Original Color

47.1211, 62.8890, 71.9426



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.4051, 56.1576, 62.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1211, 62.8890, 71.9426 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(124, 225, 212)` looks like.

```
.text, #text, p{  
    color:rgb(124, 225, 212)  
}
```

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(124, 225, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 225, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.1211, 62.8890, 71.9426 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(124, 225, 212) }
```


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

```
.border{ border-color:rgb(124, 225, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 225, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 225, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 225, 212);  
box-shadow:4px 4px 4px 4px rgb(124, 225,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1211, 62.8890, 71.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 225, 212) }
```

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

```
.background{ background-color: rgb(124,  
225, 212) }
```

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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