

Converting Colors

XYZ(48.2279, 62.4691, 72.0482)

Have a look what the booklet for
XYZ(48.2279, 62.4691, 72.0482)
contains.

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Color

**XYZ(48.2630, 62.6797,
71.8420)**

Conversions

Conversions Part 1

Format	Color
Hex	87DFD4
RGB	135, 223, 212
RGB Percent	53%, 87%, 83%
CMY	0.4706, 0.1255, 0.1686
CMYK	0.39, 0.00, 0.05, 0.13
HSL	172°, 58%, 70%
HSV	172°, 39%, 87%
XYZ	48.2630, 62.6797, 71.8420
YIQ	195.4340, -48.9170, -22.0770

Conversions

Conversions Part 2

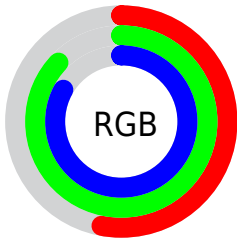
Format	Color
RYB	135, 182, 223
Decimal	8904660
CIELab	83.27, -29.01, -2.95
CIELCh	83, 29.155, 185.814
Yxy	62.6797, 0.2640, 0.3429
Android (android.graphics.Color)	4287094740 (0xFF87DFD4)
YUV	195.4340, 8.1670, -53.0006
Hunter-Lab	79.1705, -29.7333, 1.6176

Details

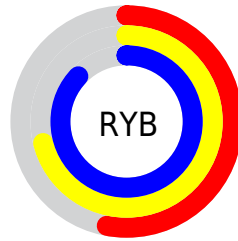
The XYZ color **48.2630, 62.6797, 71.8420** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.2858, 35.0930, 31.6360**, and the grayscale version is **52.1058, 54.8193, 59.6983**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **23.1290, 31.7340, 36.8045** is the 20% darker color. If you saturate the color by 10%, you get **44.6957, 60.8825, 69.8560**, and if you desaturate by 10%, it is **52.5914, 64.8717, 73.8980**.

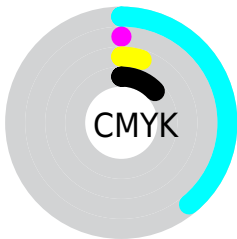
Distribution



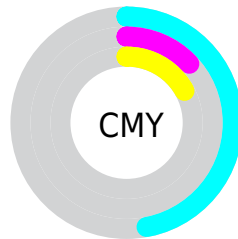
- Red (53%)
- Green (87%)
- Blue (83%)



- Red (53%)
- Yellow (71%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2630, 62.6797, 71.8420 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 48.2630, 62.6797, 71.8420 by changing the saturation by 10% instead.

 48.2630, 62.6797,
71.8420


 48.2630, 62.6797,
71.8420


370.3989,
434.4061, 485.9542


 34.2473, 45.5821,
52.5436


 86.8032, 108.7073,
123.5375

 23.2475, 31.9162,
37.0533


 112.0584,
138.4061, 156.7717

 14.8980, 21.2975,
24.9527


 141.7908,
173.0741, 195.4881

 8.8337, 13.3416,
15.8231

176.3659,
213.0957, 240.1055

 4.6891, 7.6642,
9.2461

216.1488,
258.8554, 291.0422

 2.0989, 3.8809,
4.8030

261.5051,

 0.6886, 1.6071,

310.7374, 348.7169

2.0754

312.8000,
369.1261, 413.5480

■ 0.0000, 0.3624,
0.6011

■ 0.0000, 0.0000,
0.0000

■ 48.2630, 62.6797,
71.8420

■ 48.2630, 62.6797,
71.8420

■ 44.6957, 60.8825,
69.8560

■ 52.5914, 64.8717,
73.8980

■ 41.8368, 59.4483,
67.9334


■ 57.7188, 67.4732,
76.0219


■ 39.6354, 58.3523,
66.0730


■ 63.6868, 70.5074,
78.2172


■ 38.0314, 57.5637,
64.2717


■ 70.5328, 73.9936,
80.4857


 36.9537, 57.0456,
62.5262


 78.2918, 77.9496,
82.8293


 36.2850, 56.7377,
60.8307

 81.7340, 79.6796,
85.0034

 36.2529, 56.7232,
60.7404

 82.1259, 79.8363,
87.0673

 82.5241, 79.9956,
89.1643

 82.9287, 80.1574,
91.2945

Harmonies

Analogous

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



49.1427, 62.6797, 54.9333



48.2630, 62.6797, 71.8420



50.2358, 62.6797, 90.7570

Triad

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



48.2630, 62.6797, 71.8420



66.9889, 62.6797, 100.6148



64.7048, 62.6797, 41.1208

Complementary

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



48.2630, 62.6797, 71.8420



44.2858, 35.0930, 31.6360

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.



70.0057, 62.6797, 49.8063



48.2630, 62.6797, 71.8420



71.3885, 62.6797, 83.5560

Square

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



48.2630, 62.6797, 71.8420



60.8174, 62.6797, 109.1552



72.5297, 62.6797, 64.7750



58.3500, 62.6797, 39.0991

Rectangle

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



48.2630, 62.6797, 71.8420



52.9916, 62.6797, 101.3533



72.5297, 62.6797, 64.7750



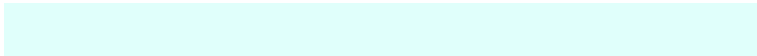
66.6827, 62.6797, 43.2720

Sweetspot

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



48.2648, 62.6822, 71.8434



84.0647, 94.4073, 105.2026



42.7476, 60.7056, 32.3872



17.7599, 20.0883, 22.4334



0.0000, 0.0000, 0.0000



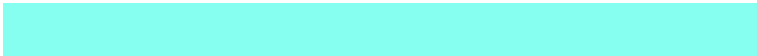
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2648, 62.6822, 71.8434



61.5063, 82.9755, 95.2244



41.8855, 47.6261, 76.8000



14.0389, 15.5413, 17.2403



21.3442, 33.3625, 35.8654



1.5004, 2.3209, 2.5964

Inverse Universe

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



44.2858, 35.0930, 31.6360



55.4408, 40.8362, 33.8711



48.6743, 45.1745, 29.0770



13.7766, 13.7283, 14.5939



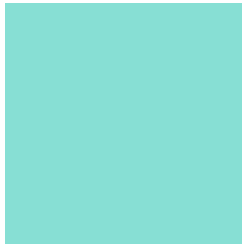
18.0380, 9.2822, 1.5999



1.2734, 0.6527, 0.2328

Previews

White Background



This preview shows how the XYZ color 48.2630, 62.6797, 71.8420 looks on a white background.

Color Contrast Check

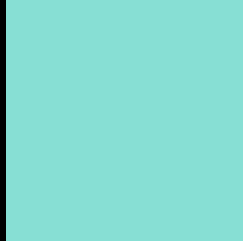
Large Text (above 18pt) WCAG AA × Fail

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 48.2630, 62.6797, 71.8420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

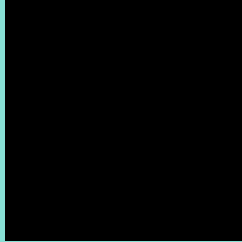
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

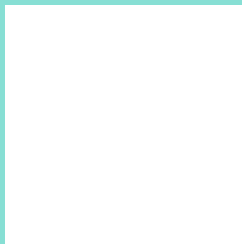
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2630, 62.6797, 71.8420

Background



This preview shows how black text looks on a background with the XYZ color 48.2630, 62.6797, 71.8420.

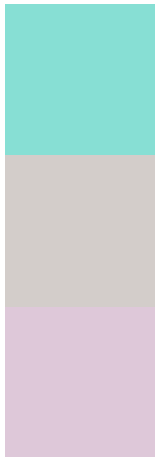


This preview shows how white text looks on a background with the XYZ color 48.2630, 62.6797,

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

48.2630, 62.6797, 71.8420

Protanopia

59.3560, 61.7758, 64.6726

Deuteranopia

63.3029, 61.8479, 74.2471



Tritanopia

51.7729, 62.5282, 89.4612

Trichromacy



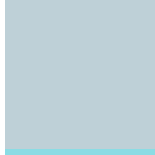
Original Color

48.2630, 62.6797, 71.8420



Protanomaly

54.2125, 61.6105, 67.4272



Deuteranomaly

56.0568, 60.9652, 73.1029



Tritanomaly

50.2443, 62.2768, 82.7713

Monochromacy



Original Color

48.2630, 62.6797, 71.8420



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.6075, 56.7639, 63.6003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2630, 62.6797, 71.8420 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(135, 223, 212)` looks like.

```
.text, #text, p{  
    color:rgb(135, 223, 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(135, 223, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 223, 212) }
```

Border

The CSS property to change the border of an element to XYZ 48.2630, 62.6797, 71.8420 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(135, 223, 212) }
```


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

```
.border{ border-color:rgb(135, 223, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 223, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 223, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 223, 212);  
box-shadow:4px 4px 4px 4px rgb(135, 223,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2630, 62.6797, 71.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 223, 212) }
```

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

```
.background{ background-color: rgb(135,  
223, 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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