

Converting Colors

XYZ(49.8814, 62.9030, 87.8551)

Have a look what the booklet for
XYZ(49.8814, 62.9030, 87.8551)
contains.

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Color

**XYZ(49.8691, 62.7527,
88.0814)**

Conversions

Conversions Part 1

Format	Color
Hex	7FDEEB
RGB	127, 222, 235
RGB Percent	50%, 87%, 92%
CMY	0.5019, 0.1294, 0.0784
CMYK	0.46, 0.06, 0.00, 0.08
HSL	187°, 73%, 71%
HSV	187°, 46%, 92%
XYZ	49.8691, 62.7527, 88.0814
YIQ	195.0770, -60.7930, -16.0970

Conversions

Conversions Part 2

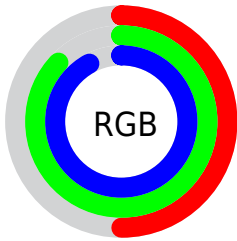
Format	Color
RYB	127, 178, 235
Decimal	8380139
CIELab	83.31, -24.79, -15.13
CIElCh	83, 29.044, 211.385
Yxy	62.7527, 0.2485, 0.3127
Android (android.graphics.Color)	4286570219 (0xFF7FDEEB)
YUV	195.0770, 19.6820, -59.7035
Hunter-Lab	79.2166, -26.2582, -10.4733

Details

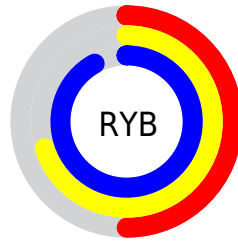
The XYZ color **49.8691, 62.7527, 88.0814** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.4711, 37.9520, 24.9039**, and the grayscale version is **51.8317, 54.5310, 59.3843**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **24.2701, 32.0854, 47.5618** is the 20% darker color. If you saturate the color by 10%, you get **46.0245, 59.6663, 87.6894**, and if you desaturate by 10%, it is **54.5463, 66.2899, 88.5187**.

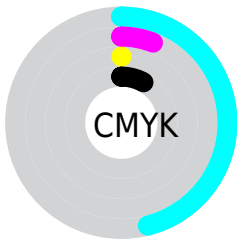
Distribution



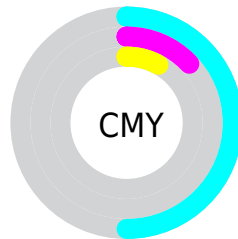
- Red (50%)
- Green (87%)
- Blue (92%)



- Red (50%)
- Yellow (70%)
- Blue (92%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (50%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8691, 62.7527, 88.0814 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 49.8691, 62.7527, 88.0814 by changing the saturation by 10% instead.

49.8691, 62.7527,
88.0814

49.8691, 62.7527,
88.0814

376.6143,
434.6714, 542.1780

35.5268, 45.6412,
65.8258

89.1739, 108.8127,
146.5826

24.2373, 31.9628,
47.6754

114.8670,
138.5299, 183.6653

15.6355, 21.3331,
33.2117

145.0745,
173.2178, 226.5274

9.3558, 13.3677,
22.0162

180.1617,
213.2608, 275.5874

5.0329, 7.6822,
13.6704

220.4939,
259.0432, 331.2639

2.3015, 3.8923,
7.7557

266.4365,

0.7955, 1.6135,

310.9496, 393.9755

3.8535

318.3548,
369.3642, 464.1407

■ 0.0000, 0.3667,
1.5453

■ 0.0000, 0.0000,
0.2513

■ 49.8691, 62.7527,
88.0814

■ 49.8691, 62.7527,
88.0814

■ 46.0245, 59.6663,
87.6894

■ 54.5463, 66.2899,
88.5187

■ 42.9491, 56.9936,
87.3356

■ 60.1025, 70.2976,
88.9995

■ 40.5797, 54.7034,
87.0184

■ 66.5872, 74.8030,
89.5273

■ 38.8403, 52.7563,
86.7343

■ 74.0449, 79.8288,
90.1043

■ 37.6368, 51.1039,
86.4788

■ 82.5170, 85.3967,
90.7325

■ 37.2401, 50.4873,
86.3807

■ 87.0944, 88.9759,
91.1821

■ 87.9289, 90.6448,
91.4603

■ 88.7764, 92.3397,
91.7427

■ 89.6369, 94.0608,
92.0296

Harmonies

Analogous

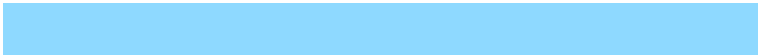
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.3122, 62.7527, 69.1711



49.8691, 62.7527, 88.0814



54.0171, 62.7527, 103.6205

Triad

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



49.8691, 62.7527, 88.0814



70.9496, 62.7527, 86.3681



59.3515, 62.7527, 39.1287

Complementary

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



49.8691, 62.7527, 88.0814



47.4711, 37.9520, 24.9039

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.



65.6498, 62.7527, 42.1236



49.8691, 62.7527, 88.0814



72.6234, 62.7527, 67.4899

Square

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



49.8691, 62.7527, 88.0814



66.1933, 62.7527, 102.5149



70.6206, 62.7527, 51.7718



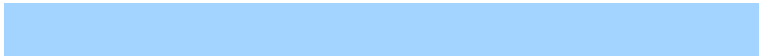
53.5427, 62.7527, 42.7354

Rectangle

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



49.8691, 62.7527, 88.0814



57.8445, 62.7527, 108.7920



70.6206, 62.7527, 51.7718



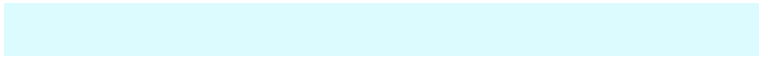
61.4816, 62.7527, 39.3928

Sweetspot

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



49.8710, 62.7551, 88.0829



81.7583, 91.1358, 107.8896



43.1665, 65.8118, 35.0863



17.1064, 19.2386, 23.0618



0.0000, 0.0000, 0.0000



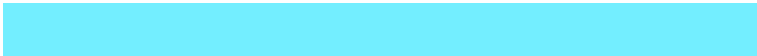
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8710, 62.7551, 88.0829



55.6969, 72.0670, 105.5825



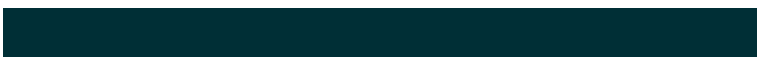
37.8261, 38.6653, 84.0679



15.3540, 16.7943, 19.3546



20.7885, 28.2239, 48.0951



1.6760, 2.3036, 3.7912

Inverse Universe

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



55.0368, 38.1166, 73.5662



62.7925, 39.6446, 85.3241



57.2961, 57.6019, 28.1789



15.6322, 15.2807, 18.6145



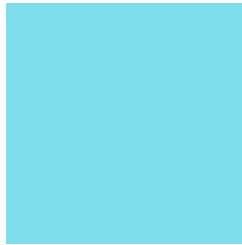
25.3484, 12.3420, 33.9654



2.0125, 0.9780, 2.7831

Previews

White Background



This preview shows how the XYZ color 49.8691, 62.7527, 88.0814 looks on a white background.

Color Contrast Check

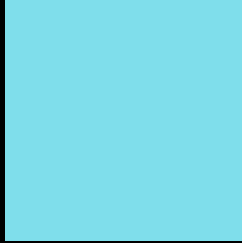
Large Text (above 18pt) WCAG AA × Fail

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 49.8691, 62.7527, 88.0814 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 49.8691, 62.7527, 88.0814

Background



This preview shows how black text looks on a background with the XYZ color 49.8691, 62.7527, 88.0814.

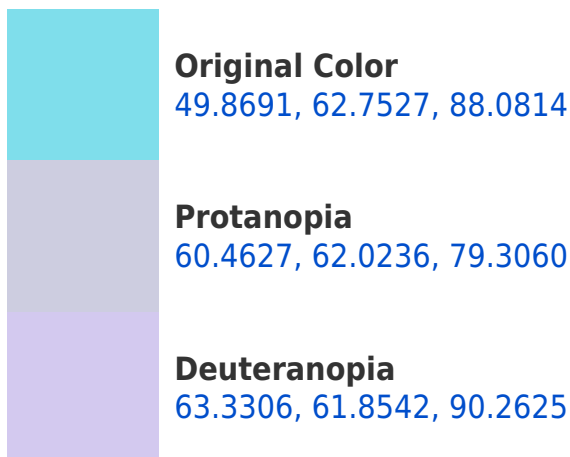


This preview shows how white text looks on a background with the XYZ color 49.8691, 62.7527,

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

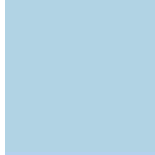
50.3385, 62.5341, 91.0785

Trichromacy



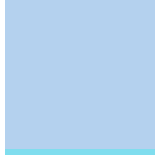
Original Color

49.8691, 62.7527, 88.0814



Protanomaly

55.4293, 61.5371, 82.3552



Deuteranomaly

57.0555, 61.4773, 89.7481



Tritanomaly

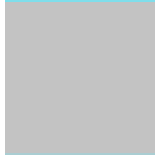
50.1912, 62.4751, 90.3025

Monochromacy



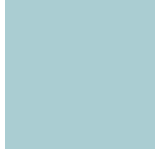
Original Color

49.8691, 62.7527, 88.0814



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

50.0417, 56.8618, 69.3107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8691, 62.7527, 88.0814 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, 222, 235)` looks like.

```
.text, #text, p{  
    color:rgb(127, 222, 235)  
}
```

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, 222, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 222, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.8691, 62.7527, 88.0814 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, 222, 235) }
```


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

```
.border{ border-color:rgb(127, 222, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 222, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(127, 222,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8691, 62.7527, 88.0814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 222, 235) }
```

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

```
.background{ background-color: rgb(127,  
222, 235) }
```

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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