

Converting Colors

XYZ(49.8125, 62.7137, 77.8234)

Have a look what the booklet for
XYZ(49.8125, 62.7137, 77.8234)
contains.

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Color

**XYZ(49.7228, 62.5088,
77.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	8CDDDD
RGB	140, 221, 221
RGB Percent	55%, 87%, 87%
CMY	0.4510, 0.1333, 0.1333
CMYK	0.37, 0.00, 0.00, 0.13
HSL	180°, 54%, 71%
HSV	180°, 37%, 87%
XYZ	49.7228, 62.5088, 77.8514
YIQ	196.7810, -48.2760, -17.1720

Conversions

Conversions Part 2

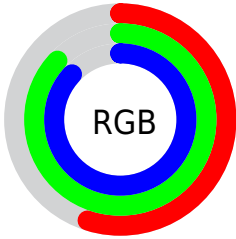
Format	Color
RYB	140, 181, 221
Decimal	9231837
CIELab	83.18, -24.63, -7.83
CIELCh	83, 25.850, 197.643
Yxy	62.5088, 0.2616, 0.3289
Android (android.graphics.Color)	4287421917 (0xFF8CDDDD)
YUV	196.7810, 11.9400, -49.7969
Hunter-Lab	79.0625, -26.0999, -3.0380

Details

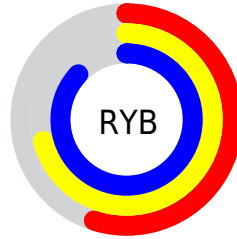
The XYZ color **49.7228, 62.5088, 77.8514** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.9326, 36.0236, 29.4509**, and the grayscale version is **52.8915, 55.6460, 60.5985**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.1753, 31.9104, 40.9615** is the 20% darker color. If you saturate the color by 10%, you get **46.3668, 60.7803, 77.6953**, and if you desaturate by 10%, it is **53.8303, 64.6278, 78.0454**.

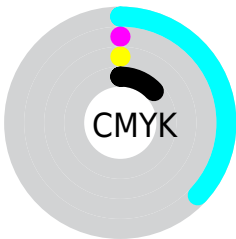
Distribution



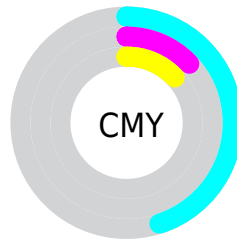
- Red (55%)
- Green (87%)
- Blue (87%)



- Red (55%)
- Yellow (71%)
- Blue (87%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (45%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7228, 62.5088, 77.8514 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 49.7228, 62.5088, 77.8514 by changing the saturation by 10% instead.

■ 49.7228, 62.5088,
77.8514

■ 49.7228, 62.5088,
77.8514

376.0509,
433.7846, 507.1766

■ 35.4101, 45.4439,
57.4362

■ 88.9583, 108.4606,
132.1246

■ 24.1469, 31.8073,
40.9439

■ 114.6118,
138.1162, 166.8196

■ 15.5680, 21.2143,
27.9558

144.7763,
172.7377, 207.1117

■ 9.3079, 13.2808,
18.0536

179.8171,
212.7092, 253.4194

■ 5.0012, 7.6222,
10.8187

220.0996,
258.4153, 306.1612

■ 2.2828, 3.8541,
5.8324

265.9892,

■ 0.7858, 1.5923,

310.2403, 365.7556

2.6763

317.8512,
368.5686, 432.6212

■ 0.0000, 0.3524,
0.9315

■ 0.0000, 0.0000,
0.0000

■ 49.7228, 62.5088,
77.8514

■ 49.7228, 62.5088,
77.8514

■ 46.3668, 60.7803,
77.6953

■ 53.8303, 64.6278,
78.0454

■ 43.7118, 59.4116,
77.5706

■ 58.7251, 67.1512,
78.2750

■ 41.7098, 58.3795,
77.4764

■ 64.4474, 70.1011,
78.5432

■ 40.3043, 57.6549,
77.4102

■ 71.0327, 73.4960,
78.8518

■ 39.4294, 57.2039,
77.3688

■ 78.5150, 77.3532,
79.2024

■ 39.0010, 56.9831,
77.3483

■ 80.1494, 78.1957,
79.2794

■ 38.9083, 56.9353,
77.3438

■ 80.1494, 78.1958,
79.2798

■ 80.1495, 78.1958,
79.2803

■ 80.1496, 78.1958,
79.2807

Harmonies

Analogous

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



49.4947, 62.5088, 61.6675



49.7228, 62.5088, 77.8514



52.4433, 62.5088, 93.5124

Triad

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



49.7228, 62.5088, 77.8514



67.7379, 62.5088, 91.0468



61.7491, 62.5088, 42.1441

Complementary

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



49.7228, 62.5088, 77.8514



43.9326, 36.0236, 29.4509

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.



66.9738, 62.5088, 47.7061



49.7228, 62.5088, 77.8514



70.5744, 62.5088, 74.8827

Square

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



49.7228, 62.5088, 77.8514



62.7394, 62.5088, 101.9156



70.2863, 62.5088, 59.1287



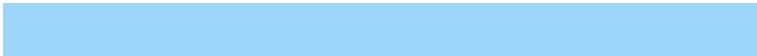
56.2058, 62.5088, 42.6816

Rectangle

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



49.7228, 62.5088, 77.8514



55.4069, 62.5088, 100.7833



70.2863, 62.5088, 59.1287



63.6072, 62.5088, 43.3209

Sweetspot

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



49.7246, 62.5113, 77.8528



85.4727, 95.0627, 108.4511



41.6361, 59.3023, 34.0643



18.0636, 20.2282, 23.2022



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.



49.7246, 62.5113, 77.8528



65.1026, 84.5616, 107.4958



40.5655, 44.1924, 74.8013



13.4449, 14.8296, 16.8058



22.6015, 33.0732, 44.9284



1.4642, 2.1426, 2.9107

Inverse Universe

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



43.9326, 36.0236, 29.4509



55.9755, 42.8221, 31.2238



50.7048, 49.5682, 31.7075



13.0561, 13.0515, 13.5567



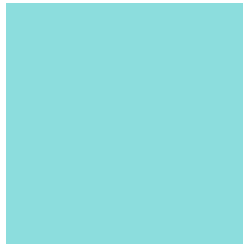
17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 49.7228, 62.5088, 77.8514 looks on a white background.

Color Contrast Check

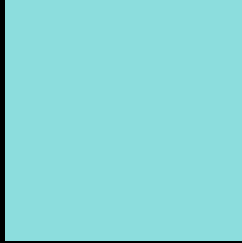
Large Text (above 18pt) WCAG AA × Fail

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 49.7228, 62.5088, 77.8514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

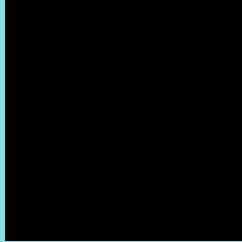
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7228, 62.5088, 77.8514

Background



This preview shows how black text looks on a background with the XYZ color 49.7228, 62.5088, 77.8514.

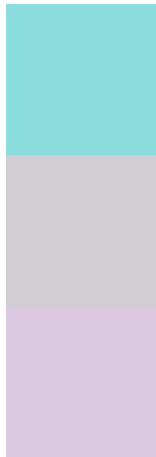


This preview shows how white text looks on a background with the XYZ color 49.7228, 62.5088,

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

49.7228, 62.5088, 77.8514

Protanopia

59.6016, 61.7757, 70.4106

Deuteranopia

63.3907, 62.1150, 79.8825



Tritanopia

51.9734, 62.6485, 88.7100

Trichromacy



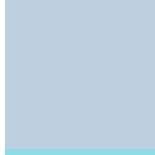
Original Color

49.7228, 62.5088, 77.8514



Protanomaly

55.0884, 61.5621, 73.2692



Deuteranomaly

57.2456, 61.4407, 79.3631



Tritanomaly

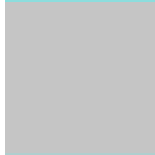
51.3447, 62.7956, 85.0159

Monochromacy



Original Color

49.7228, 62.5088, 77.8514



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.1164, 57.8290, 66.8605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7228, 62.5088, 77.8514 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(140, 221, 221)` looks like.

```
.text, #text, p{  
    color:rgb(140, 221, 221)  
}
```

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(140, 221, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 221, 221) }
```

Border

The CSS property to change the border of an element to XYZ 49.7228, 62.5088, 77.8514 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(140, 221, 221) }
```


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

```
.border{ border-color:rgb(140, 221, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 221, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 221, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 221, 221);  
box-shadow:4px 4px 4px 4px rgb(140, 221,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7228, 62.5088, 77.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 221, 221) }
```

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

```
.background{ background-color: rgb(140,  
221, 221) }
```

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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