

Converting Colors

XYZ(48.8756, 62.7485, 82.9938)

Have a look what the booklet for
XYZ(48.8756, 62.7485, 82.9938)
contains.

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Color

**XYZ(48.8487, 62.7368,
82.9336)**

Conversions

Conversions Part 1

Format	Color
Hex	7DDFE4
RGB	125, 223, 228
RGB Percent	49%, 87%, 89%
CMY	0.5098, 0.1255, 0.1059
CMYK	0.45, 0.02, 0.00, 0.11
HSL	183°, 66%, 69%
HSV	183°, 45%, 89%
XYZ	48.8487, 62.7368, 82.9336
YIQ	194.2680, -60.0130, -19.2210

Conversions

Conversions Part 2

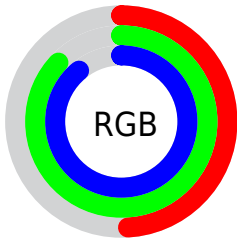
Format	Color
RYB	125, 175, 228
Decimal	8249316
CIELab	83.30, -27.53, -11.44
CIELCh	83, 29.809, 202.561
Yxy	62.7368, 0.2511, 0.3225
Android (android.graphics.Color)	4286439396 (0xFF7DDFE4)
YUV	194.2680, 16.6299, -60.7480
Hunter-Lab	79.2066, -28.5260, -6.6353

Details

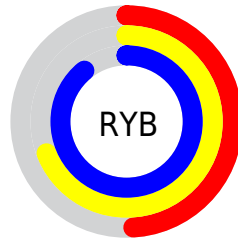
The XYZ color **48.8487, 62.7368, 82.9336** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.6802, 33.9408, 23.6525**, and the grayscale version is **51.3685, 54.0437, 58.8536**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **23.7254, 32.1462, 44.4895** is the 20% darker color. If you saturate the color by 10%, you get **45.6005, 60.6264, 82.6985**, and if you desaturate by 10%, it is **52.8665, 65.2498, 83.2080**.

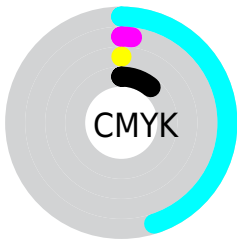
Distribution



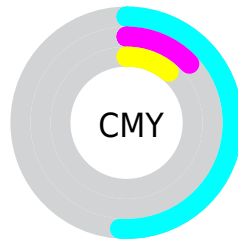
- Red (49%)
- Green (87%)
- Blue (89%)



- Red (49%)
- Yellow (69%)
- Blue (89%)



- Cyan (45%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)





- Cyan (51%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8487, 62.7368, 82.9336 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 48.8487, 62.7368, 82.9336 by changing the saturation by 10% instead.


 48.8487, 62.7368,
82.9336

 48.8487, 62.7368,
82.9336


372.6732,
434.6136, 524.7304


 34.7135, 45.6283,
61.5951


 87.6688, 108.7897,
139.3309

 23.6078, 31.9526,
44.2719


 113.0844,
138.5029, 175.2267

 15.1661, 21.3253,
30.5456


 142.9908,
173.1865, 216.8120

 9.0231, 13.3620,
19.9975

177.7535,
213.2248, 264.5054

 4.8135, 7.6783,
12.2092

217.7377,
259.0023, 318.7254

 2.1719, 3.8898,
6.7620

263.3088,

 0.7278, 1.6121,

310.9034, 379.8906

3.2375

314.8322,
369.3123, 448.4194

■ 0.0000, 0.3657,
1.2172

■ 0.0000, 0.0000,
0.0000

■ 48.8487, 62.7368,
82.9336

■ 48.8487, 62.7368,
82.9336

■ 45.6005, 60.6264,
82.6985

■ 52.8665, 65.2498,
83.2080

■ 43.0633, 58.8839,
82.4959


■ 57.6962, 68.1827,
83.5195


■ 41.1792, 57.4809,
82.3244


■ 63.3837, 71.5607,
83.8718


■ 39.8788, 56.3817,
82.1808


■ 69.9699, 75.4049,
84.2667


 39.0766, 55.5422,
82.0611


 77.4930, 79.7350,
84.7060

 38.8008, 55.1955,
82.0087

 83.4410, 83.2559,
85.0721

 83.7492, 83.8724,
85.1748

 84.0594, 84.4928,
85.2782

 84.3716, 85.1171,
85.3823

Harmonies

Analogous

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



48.1095, 62.7368, 63.7937



48.8487, 62.7368, 82.9336



52.3720, 62.7368, 100.7360

Triad

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



48.8487, 62.7368, 82.9336



70.0784, 62.7368, 92.3764



61.2570, 62.7368, 38.6870

Complementary

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



48.8487, 62.7368, 82.9336



43.6802, 33.9408, 23.6525

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.



67.5281, 62.7368, 43.7160



48.8487, 62.7368, 82.9336



72.8555, 62.7368, 73.0339

Square

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



48.8487, 62.7368, 82.9336



64.5381, 62.7368, 106.8401



71.8900, 62.7368, 55.5147



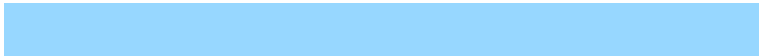
54.9762, 62.7368, 40.3745

Rectangle

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



48.8487, 62.7368, 82.9336



55.9733, 62.7368, 108.3163



71.8900, 62.7368, 55.5147



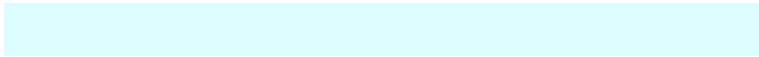
63.4415, 62.7368, 39.6113

Sweetspot

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



48.8506, 62.7392, 82.9351



82.5636, 92.7464, 108.1580



40.1270, 61.4180, 30.3133



17.3048, 19.6355, 23.1279



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.



48.8506, 62.7392, 82.9351



59.0919, 78.3535, 106.6170



37.4188, 39.8757, 79.1245



14.7444, 16.2102, 18.4961



22.4307, 31.9235, 47.3628



1.6761, 2.3961, 3.5061

Inverse Universe

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



52.6493, 36.4905, 74.0832



64.6291, 40.8497, 93.5447



52.0057, 50.5917, 26.4277



14.9633, 14.6025, 18.0072



25.7155, 12.4204, 38.9923



1.9097, 0.9216, 2.9307

Previews

White Background



This preview shows how the XYZ color 48.8487, 62.7368, 82.9336 looks on a white background.

Color Contrast Check

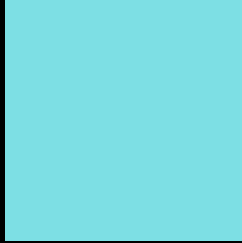
Large Text (above 18pt) WCAG AA × Fail

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 48.8487, 62.7368, 82.9336 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 48.8487, 62.7368, 82.9336

Background



This preview shows how black text looks on a background with the XYZ color 48.8487, 62.7368, 82.9336.



This preview shows how white text looks on a background with the XYZ color 48.8487, 62.7368,

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

48.8487, 62.7368, 82.9336

Protanopia

60.0878, 61.9378, 74.4339

Deuteranopia

63.3262, 61.9526, 85.7112



Tritanopia

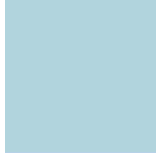
50.3385, 62.5341, 91.0785

Trichromacy



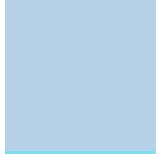
Original Color

48.8487, 62.7368, 82.9336



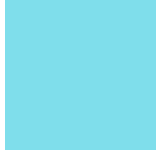
Protanomaly

54.7261, 61.6545, 77.4228



Deuteranomaly

56.5157, 61.3155, 84.4577



Tritanomaly

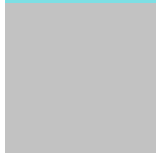
49.8691, 62.7527, 88.0814

Monochromacy



Original Color

48.8487, 62.7368, 82.9336



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

49.3341, 56.5539, 66.7083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8487, 62.7368, 82.9336 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(125, 223, 228)` looks like.

```
.text, #text, p{  
    color:rgb(125, 223, 228)  
}
```

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(125, 223, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 223, 228) }
```

Border

The CSS property to change the border of an element to XYZ 48.8487, 62.7368, 82.9336 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(125, 223, 228) }
```


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

```
.border{ border-color:rgb(125, 223, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 223, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 223, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 223, 228);  
box-shadow:4px 4px 4px 4px rgb(125, 223,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8487, 62.7368, 82.9336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 223, 228) }
```

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

```
.background{ background-color: rgb(125,  
223, 228) }
```

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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