

Converting Colors

XYZ(48.2636, 50.8383, 72.1581)

Have a look what the booklet for
XYZ(48.2636, 50.8383, 72.1581)
contains.

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Color

**XYZ(48.2637, 50.7835,
72.2242)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBED8
RGB	174, 190, 216
RGB Percent	68%, 75%, 85%
CMY	0.3176, 0.2549, 0.1529
CMYK	0.19, 0.12, 0.00, 0.15
HSL	217°, 35%, 76%
HSV	217°, 19%, 85%
XYZ	48.2637, 50.7835, 72.2242
YIQ	188.1800, -17.8820, 4.6940

Conversions

Conversions Part 2

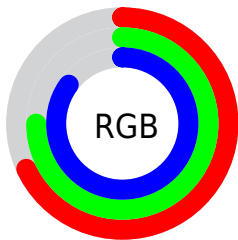
Format	Color
RYB	174, 186, 216
Decimal	11452120
CIELab	76.55, -0.01, -14.86
CIELCh	77, 14.858, 269.952
Yxy	50.7835, 0.2818, 0.2965
Android (android.graphics.Color)	4289642200 (0xFFAEBED8)
YUV	188.1800, 13.7153, -12.4359
Hunter-Lab	71.2625, -3.8175, -10.2063

Details

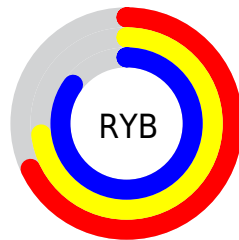
The XYZ color **48.2637, 50.7835, 72.2242** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.6136, 58.9634, 48.4428**, and the grayscale version is **47.8353, 50.3264, 54.8055**.

A 20% lighter version of the original color is **83.6389, 89.9545, 107.5625**, and **23.2638, 24.5295, 37.2267** is the 20% darker color. If you saturate the color by 10%, you get **41.0690, 42.9720, 71.0965**, and if you desaturate by 10%, it is **56.5010, 59.5294, 73.4790**.

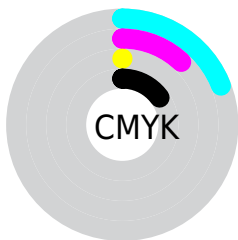
Distribution



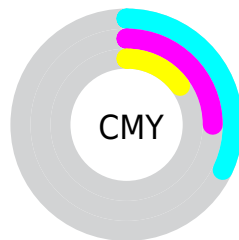
- Red (68%)
- Green (75%)
- Blue (85%)



- Red (68%)
- Yellow (73%)
- Blue (85%)



- Cyan (19%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (32%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2637, 50.7835, 72.2242 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 48.2637, 50.7835, 72.2242 by changing the saturation by 10% instead.

■ 48.2637, 50.7835,
72.2242

■ 48.2637, 50.7835,
72.2242

370.4016,
389.7221, 487.3201

■ 34.2479, 36.0363,
52.8539

■ 86.8042, 91.3347,
124.0859

■ 23.2479, 24.4623,
37.2992

112.0596,
117.9075, 157.4144

■ 14.8984, 15.6769,
25.1416

141.7923,
149.1909, 196.2327

■ 8.8339, 9.2958,
15.9626

176.3675,
185.5695, 240.9593

■ 4.6893, 4.9346,
9.3436

216.1507,
227.4274, 292.0128

■ 2.0990, 2.2090,
4.8661

261.5073,

■ 0.6887, 0.7249,

275.1493, 349.8118

2.1116

312.8024,
329.1193, 414.7747

■ 0.0000, 0.0000,
0.6226

■ 0.0000, 0.0000,
0.0000

■ 48.2637, 50.7835,
72.2242

■ 48.2637, 50.7835,
72.2242

■ 41.0690, 42.9720,
71.0965

■ 56.5010, 59.5294,
73.4790

■ 34.8683, 36.0555,
70.0883

■ 65.8175, 69.2349,
74.8613

■ 29.6157, 30.0006,
69.1964

■ 76.2537, 79.9320,
76.3760

■ 25.2597, 24.7692,
68.4162

■ 85.8309, 90.6101,
77.9323

■ 21.7436, 20.3201,
67.7428

■ 89.3948, 97.7379,
79.1203

■ 19.0033, 16.6073,
67.1705

■ 16.9642, 13.5789,
66.6935

■ 15.5063, 11.1586,
66.3031

■ 15.4347, 11.0376,
66.2836

Harmonies

Analogous

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



45.6176, 50.7835, 69.7720



48.2637, 50.7835, 72.2242



51.0114, 50.7835, 69.7870

Triad

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



48.2637, 50.7835, 72.2242



53.0938, 50.7835, 47.9354



43.7484, 50.7835, 47.9152

Complementary

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



48.2637, 50.7835, 72.2242



56.6136, 58.9634, 48.4428

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.



45.6251, 50.7835, 42.9618



48.2637, 50.7835, 72.2242



51.0195, 50.7835, 42.9726

Square

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



48.2637, 50.7835, 72.2242



53.8651, 50.7835, 55.3075



48.2727, 50.7835, 41.2417



43.0731, 50.7835, 55.2817

Rectangle

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



48.2637, 50.7835, 72.2242



52.5158, 50.7835, 65.8407



48.2727, 50.7835, 41.2417



44.2560, 50.7835, 45.9394

Sweetspot

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



48.2652, 50.7856, 72.2253



86.6962, 91.3184, 107.6646



52.4261, 62.2768, 63.8408



18.3695, 19.3504, 23.0168



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.



48.2652, 50.7856, 72.2253



66.1584, 69.5074, 104.5371



46.0991, 44.8029, 71.1847



12.1266, 12.7765, 15.7645



9.2322, 6.7261, 39.2648



0.6355, 0.5631, 2.3945

Inverse Universe

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



52.7505, 48.5900, 55.3161



73.8052, 65.9964, 75.6569



59.0894, 66.0323, 49.6767



12.6171, 12.4983, 13.9238



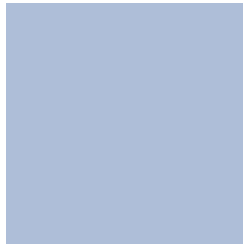
17.7188, 9.0238, 5.8234



1.1084, 0.5602, 0.5604

Previews

White Background



This preview shows how the XYZ color 48.2637, 50.7835, 72.2242 looks on a white background.

Color Contrast Check

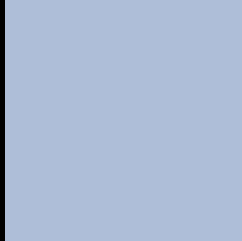
Large Text (above 18pt) WCAG AA × Fail

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 48.2637, 50.7835, 72.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

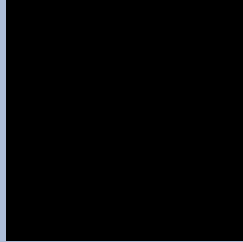
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2637, 50.7835, 72.2242

Background



This preview shows how black text looks on a background with the XYZ color 48.2637, 50.7835, 72.2242.



This preview shows how white text looks on a background with the XYZ color 48.2637, 50.7835,

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

48.2637, 50.7835, 72.2242

Protanopia

49.6751, 50.5860, 70.7643

Deuteranopia

51.6572, 50.6282, 72.6952



Tritanopia

47.1254, 50.9749, 66.3869

Trichromacy



Original Color

48.2637, 50.7835, 72.2242

Protanomaly

49.0714, 50.5760, 71.4658

Deuteranomaly

50.3330, 50.5667, 72.7531

Tritanomaly

47.4972, 50.7990, 68.2746

Monochromacy



Original Color

48.2637, 50.7835, 72.2242

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.9191, 50.5397, 60.6556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2637, 50.7835, 72.2242 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(174, 190, 216)` looks like.

```
.text, #text, p{  
    color:rgb(174, 190, 216)  
}
```

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(174, 190, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 190, 216) }
```

Border

The CSS property to change the border of an element to XYZ 48.2637, 50.7835, 72.2242 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(174, 190, 216) }
```


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

```
.border{ border-color:rgb(174, 190, 216) }
```

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

Here you see how a box with a 4 pixel rgb(174, 190, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 190, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 190, 216);  
box-shadow:4px 4px 4px 4px rgb(174, 190,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2637, 50.7835, 72.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 190, 216) }
```

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

```
.background{ background-color: rgb(174,  
190, 216) }
```

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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