

Converting Colors

XYZ(48.4098, 53.6888, 67.2673)

Have a look what the booklet for
XYZ(48.4098, 53.6888, 67.2673)
contains.

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Color

**XYZ(48.3738, 53.6002,
67.4708)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC6D0
RGB	171, 198, 208
RGB Percent	67%, 78%, 82%
CMY	0.3294, 0.2235, 0.1843
CMYK	0.18, 0.05, 0.00, 0.18
HSL	196°, 28%, 74%
HSV	196°, 18%, 82%
XYZ	48.3738, 53.6002, 67.4708
YIQ	191.0670, -19.3020, -2.6140

Conversions

Conversions Part 2

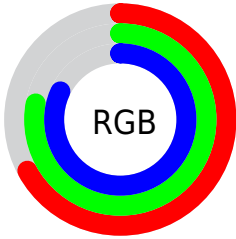
Format	Color
RYB	171, 187, 208
Decimal	11257552
CIELab	78.23, -6.95, -8.05
CIELCh	78, 10.635, 229.176
Yxy	53.6002, 0.2855, 0.3163
Android (android.graphics.Color)	4289447632 (0xFFABC6D0)
YUV	191.0670, 8.3480, -17.5988
Hunter-Lab	73.2122, -10.1802, -3.3919

Details

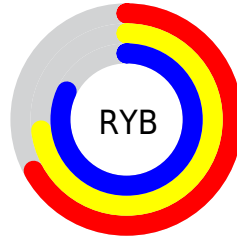
The XYZ color **48.3738, 53.6002, 67.4708** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.8873, 49.3977, 45.4343**, and the grayscale version is **49.5225, 52.1015, 56.7386**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **23.2772, 26.1312, 34.3888** is the 20% darker color. If you saturate the color by 10%, you get **42.9343, 48.9256, 66.8561**, and if you desaturate by 10%, it is **54.5771, 58.7421, 68.1372**.

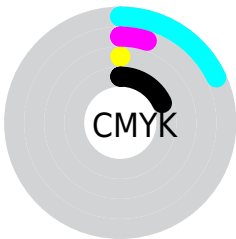
Distribution



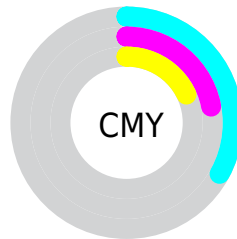
- Red (67%)
- Green (78%)
- Blue (82%)



- Red (67%)
- Yellow (73%)
- Blue (82%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (33%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3738, 53.6002, 67.4708 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 48.3738, 53.6002, 67.4708 by changing the saturation by 10% instead.

■ 48.3738, 53.6002,
67.4708

■ 48.3738, 53.6002,
67.4708

370.8298,
400.5836, 470.1658

■ 34.3355, 38.2821,
49.0033

■ 86.9670, 95.4870,
117.2418

■ 23.3156, 26.2017,
34.2565

112.2526,
122.8245, 149.3824

■ 14.9487, 16.9746,
22.8118

142.0181,
154.9372, 186.9178

■ 8.8694, 10.2164,
14.2506

176.6287,
192.2096, 230.2666

■ 4.7125, 5.5427,
8.1544

216.4498,
235.0260, 279.8472

■ 2.1126, 2.5690,
4.1047

261.8468,

■ 0.6961, 0.9111,

283.7709, 336.0783

1.6830

313.1850,
338.8287, 399.3783

■ 0.0000, 0.0000,
0.3490

■ 0.0000, 0.0000,
0.0000

■ 48.3738, 53.6002,
67.4708

■ 48.3738, 53.6002,
67.4708

■ 42.9343, 48.9256,
66.8561

■ 54.5771, 58.7421,
68.1372

■ 38.2201, 44.6935,
66.2877

■ 61.5711, 64.3618,
68.8533

■ 34.1963, 40.8865,
65.7649

■ 69.3870, 70.4774,
69.6218

■ 30.8232, 37.4835,
65.2859

■ 78.0530, 77.1042,
70.4441

■ 28.0569, 34.4610,
64.8482

■ 79.8501, 80.2637,
70.9593

■ 25.8475, 31.7924,
64.4496

■ 81.4045, 83.3724,
71.4774

■ 24.1366, 29.4468,
64.0870

■ 83.0094, 86.5822,
72.0123

■ 22.8414, 27.3807,
63.7565

■ 84.6653, 89.8941,
72.5643

■ 22.5813, 26.9460,
63.6863

■ 86.3728, 93.3090,
73.1335

Harmonies

Analogous

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



47.2584, 53.6002, 62.2076



48.3738, 53.6002, 67.4708



50.1976, 53.6002, 70.3576

Triad

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



48.3738, 53.6002, 67.4708



54.9779, 53.6002, 60.5403



49.6422, 53.6002, 48.1921

Complementary

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



48.3738, 53.6002, 67.4708



49.8873, 49.3977, 45.4343

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.



51.7006, 53.6002, 47.8129



48.3738, 53.6002, 67.4708



54.8194, 53.6002, 54.6773

Square

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



48.3738, 53.6002, 67.4708



54.0340, 53.6002, 66.1790



53.6065, 53.6002, 50.1114



47.9768, 53.6002, 51.1852

Rectangle

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



48.3738, 53.6002, 67.4708



51.5862, 53.6002, 70.4225



53.6065, 53.6002, 50.1114



50.3099, 53.6002, 47.7628

Sweetspot

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



48.3754, 53.6024, 67.4720



89.4247, 95.4832, 108.3247



47.6782, 57.1013, 52.1540



18.9769, 20.3048, 23.1690



0.0000, 0.0000, 0.0000



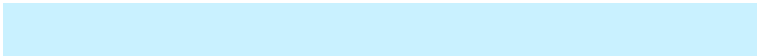
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3754, 53.6024, 67.4720



73.5753, 82.3334, 106.6218



44.4280, 45.7076, 66.1562



11.8770, 12.8442, 15.0969



14.1573, 16.9613, 39.7202



0.8554, 1.0760, 2.2422

Inverse Universe

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



50.7696, 46.6140, 59.7503



78.0389, 69.5663, 92.1670



53.8719, 57.3669, 46.7625



12.1688, 11.9523, 14.1647



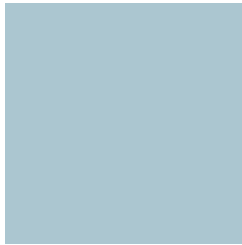
19.7767, 9.7835, 19.5281



1.1380, 0.5599, 1.2615

Previews

White Background



This preview shows how the XYZ color 48.3738, 53.6002, 67.4708 looks on a white background.

Color Contrast Check

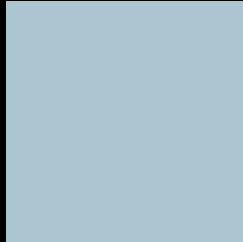
Large Text (above 18pt) WCAG AA × Fail

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 48.3738, 53.6002, 67.4708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

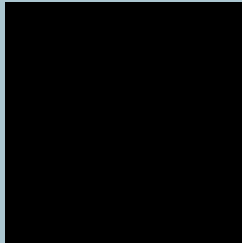
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3738, 53.6002, 67.4708

Background



This preview shows how black text looks on a background with the XYZ color 48.3738, 53.6002, 67.4708.



This preview shows how white text looks on a background with the XYZ color 48.3738, 53.6002,

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

48.3738, 53.6002, 67.4708

Protanopia

51.7410, 53.3964, 64.7062

Deuteranopia

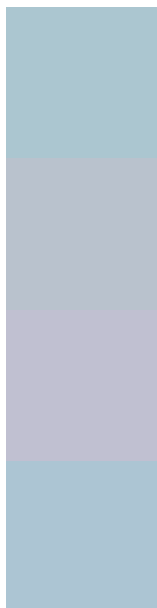
54.5179, 53.4570, 68.4176



Tritanopia

48.9898, 53.5073, 70.6967

Trichromacy



Original Color

48.3738, 53.6002, 67.4708

Protanomaly

50.3188, 53.3056, 65.3945

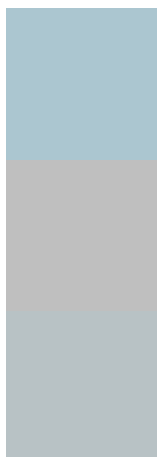
Deuteranomaly

52.0965, 53.5092, 67.9041

Tritanomaly

48.7374, 53.4063, 69.3677

Monochromacy



Original Color

48.3738, 53.6002, 67.4708

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1370, 52.8051, 60.4259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3738, 53.6002, 67.4708 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(171, 198, 208)` looks like.

```
.text, #text, p{  
    color:rgb(171, 198, 208)  
}
```

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(171, 198, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 198, 208) }
```

Border

The CSS property to change the border of an element to XYZ 48.3738, 53.6002, 67.4708 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(171, 198, 208) }
```


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

```
.border{ border-color:rgb(171, 198, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 198, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 198, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 198, 208); box-shadow:4px 4px 4px 4px rgb(171, 198, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3738, 53.6002, 67.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 198, 208) }
```

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

```
.background{ background-color: rgb(171,  
198, 208) }
```

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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