

Converting Colors

XYZ(48.9570, 52.6838, 64.7096)

Have a look what the booklet for
XYZ(48.9570, 52.6838, 64.7096)
contains.

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Color

**XYZ(49.0133, 52.6465,
64.7053)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C2CC
RGB	180, 194, 204
RGB Percent	71%, 76%, 80%
CMY	0.2941, 0.2392, 0.2000
CMYK	0.12, 0.05, 0.00, 0.20
HSL	205°, 19%, 75%
HSV	205°, 12%, 80%
XYZ	49.0133, 52.6465, 64.7053
YIQ	190.9540, -11.5540, 0.1420

Conversions

Conversions Part 2

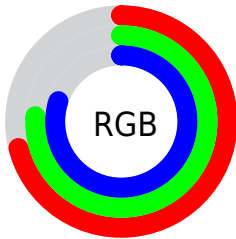
Format	Color
R _Y B	180, 189, 204
Decimal	11846348
CIE Lab	77.67, -2.78, -6.65
CIE LCh	78, 7.211, 247.346
Yxy	52.6465, 0.2946, 0.3165
Android (android.graphics.Color)	4290036428 (0xFFB4C2CC)
YUV	190.9540, 6.4317, -9.6067
Hunter-Lab	72.5579, -6.3985, -2.0828

Details

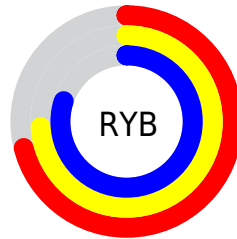
The XYZ color **49.0133, 52.6465, 64.7053** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.5539, 52.9595, 50.6861**, and the grayscale version is **49.4646, 52.0406, 56.6722**.

A 20% lighter version of the original color is **86.8277, 93.4241, 108.0641**, and **23.6355, 25.4702, 32.5247** is the 20% darker color. If you saturate the color by 10%, you get **42.7721, 46.7025, 63.8878**, and if you desaturate by 10%, it is **56.0648, 59.1716, 65.5939**.

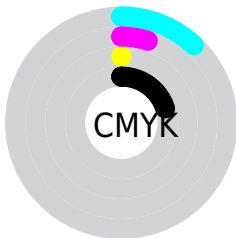
Distribution



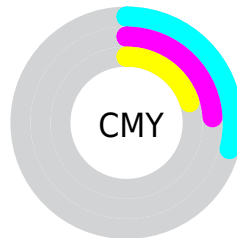
- Red (71%)
- Green (76%)
- Blue (80%)



- Red (71%)
- Yellow (74%)
- Blue (80%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0133, 52.6465, 64.7053 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 49.0133, 52.6465, 64.7053 by changing the saturation by 10% instead.

■ 49.0133, 52.6465,
64.7053

■ 49.0133, 52.6465,
64.7053

373.3108,
396.9274, 460.0094

■ 34.8446, 37.5206,
46.7723

■ 87.9118, 94.0840,
113.2353

■ 23.7092, 25.6109,
32.5027

113.3723,
121.1644, 144.6694

■ 15.2416, 16.5328,
21.4777

143.3275,
152.9985, 181.4409

■ 9.0765, 9.9019,
13.2790

178.1427,
189.9706, 223.9685

■ 4.8486, 5.3340,
7.4880

218.1833,
232.4652, 272.6705

■ 2.1926, 2.4445,
3.6861

263.8146,

■ 0.7388, 0.8487,

280.8666, 327.9657

1.4548

315.4020,
335.5592, 390.2725

■ 0.0000, 0.0000,
0.1839

■ 0.0000, 0.0000,
0.0000

■ 49.0133, 52.6465,
64.7053

■ 49.0133, 52.6465,
64.7053

■ 42.7721, 46.7025,
63.8878

■ 56.0648, 59.1716,
65.5939

■ 37.3043, 41.3137,
63.1358

■ 63.9521, 66.2893,
66.5521

■ 32.5769, 36.4618,
62.4485

■ 72.7056, 74.0193,
67.5828

■ 28.5527, 32.1248,
61.8234

■ 79.8815, 81.1041,
68.5721

■ 25.1909, 28.2788,
61.2583

■ 82.2770, 85.8952,
69.3706

■ 22.4461, 24.8974,
60.7503

■ 84.7890, 90.9193,
70.2079

■ 20.2665, 21.9508,
60.2964

■ 87.4192, 96.1796,
71.0846

■ 18.5905, 19.4042,
59.8932

■ 87.8993, 97.1397,
71.2447

■ 17.4988, 17.5588,
59.5945

Harmonies

Analogous

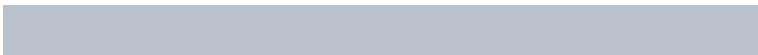
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9375, 52.6465, 62.1084



49.0133, 52.6465, 64.7053



50.3825, 52.6465, 65.2810

Triad

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



49.0133, 52.6465, 64.7053



52.7455, 52.6465, 56.3469



48.4300, 52.6465, 51.4328

Complementary

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



49.0133, 52.6465, 64.7053



51.5539, 52.9595, 50.6861

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.



49.6969, 52.6465, 50.0397



49.0133, 52.6465, 64.7053



52.2008, 52.6465, 52.7901

Square

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



49.0133, 52.6465, 64.7053



52.5542, 52.6465, 60.3318



51.0787, 52.6465, 50.5249



47.6052, 52.6465, 54.4161

Rectangle

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



49.0133, 52.6465, 64.7053



51.2807, 52.6465, 64.4178



51.0787, 52.6465, 50.5249



48.8174, 52.6465, 50.7695

Sweetspot

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



49.0148, 52.6487, 64.7065



90.0559, 95.4355, 108.2822



49.6668, 56.5902, 56.7926



19.0801, 20.2472, 23.1524



0.0000, 0.0000, 0.0000



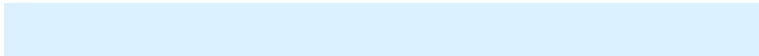
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0148, 52.6487, 64.7065



78.5518, 84.7227, 106.8207



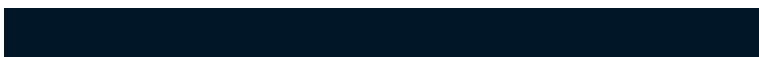
46.5325, 47.6840, 63.8790



11.1364, 11.9132, 14.2829



11.1075, 11.2391, 37.5402



0.6469, 0.7276, 1.9613

Inverse Universe

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



50.9620, 49.3761, 57.8860



82.3972, 78.3786, 93.3243



54.1678, 58.1872, 51.5574



11.4822, 11.3216, 13.0739



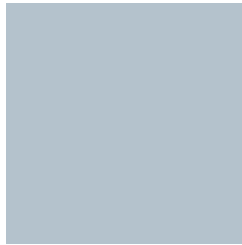
17.8175, 8.9376, 12.0234



0.9565, 0.4760, 0.8166

Previews

White Background



This preview shows how the XYZ color 49.0133, 52.6465, 64.7053 looks on a white background.

Color Contrast Check

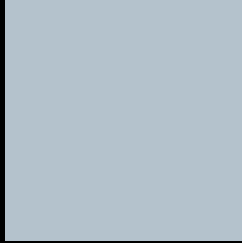
Large Text (above 18pt) WCAG AA × Fail

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 49.0133, 52.6465, 64.7053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

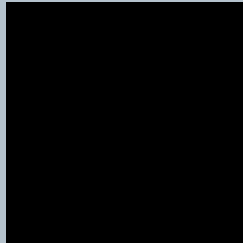
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

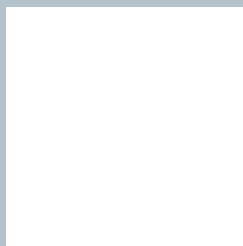
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0133, 52.6465, 64.7053

Background



This preview shows how black text looks on a background with the XYZ color 49.0133, 52.6465, 64.7053.

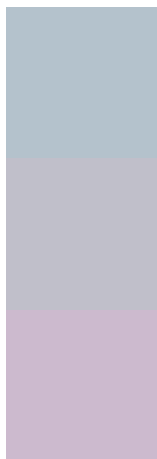


This preview shows how white text looks on a background with the XYZ color 49.0133, 52.6465,

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

49.0133, 52.6465, 64.7053

Protanopia

51.0297, 52.7323, 63.3659

Deuteranopia

53.6013, 52.4114, 65.6838



Tritanopia

49.6346, 52.5671, 67.8520

Trichromacy



Original Color

49.0133, 52.6465, 64.7053

Protanomaly

50.3682, 52.7024, 64.0178

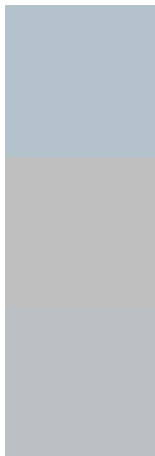
Deuteranomaly

51.7227, 52.4051, 65.1467

Tritanomaly

49.3885, 52.4687, 66.5559

Monochromacy



Original Color

49.0133, 52.6465, 64.7053

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.3070, 52.2496, 59.7110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0133, 52.6465, 64.7053 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(180, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(180, 194, 204)  
}
```

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(180, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.0133, 52.6465, 64.7053 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(180, 194, 204) }
```


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

```
.border{ border-color:rgb(180, 194, 204) }
```

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

Here you see how a box with a 4 pixel rgb(180, 194, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(180, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0133, 52.6465, 64.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 194, 204) }
```

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

```
.background{ background-color: rgb(180,  
194, 204) }
```

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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