

Converting Colors

XYZ(49.9992, 52.4988, 64.6255)

Have a look what the booklet for
XYZ(49.9992, 52.4988, 64.6255)
contains.

XYZ(49.9984, 52.4980, 64.6247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9984, 52.4980,
64.6247)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC0CC
RGB	186, 192, 204
RGB Percent	73%, 75%, 80%
CMY	0.2706, 0.2470, 0.2000
CMYK	0.09, 0.06, 0.00, 0.20
HSL	220°, 15%, 76%
HSV	220°, 9%, 80%
XYZ	49.9984, 52.4980, 64.6247
YIQ	191.5740, -7.4280, 2.4600

Conversions

Conversions Part 2

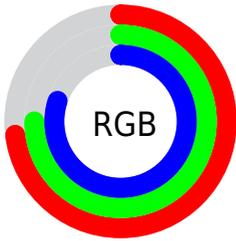
Format	Color
R _Y B	186, 191, 204
Decimal	12239052
CIE Lab	77.58, 0.27, -6.74
CIE LCh	78, 6.742, 272.303
Yxy	52.4980, 0.2992, 0.3141
Android (android.graphics.Color)	4290429132 (0xFFBAC0CC)
YUV	191.5740, 6.1260, -4.8884
Hunter-Lab	72.4555, -3.6220, -2.1632

Details

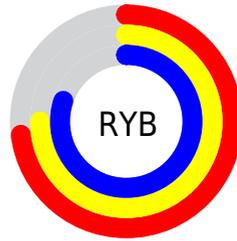
The XYZ color **49.9984, 52.4980, 64.6247** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.9590, 56.7703, 54.5691**, and the grayscale version is **49.8245, 52.4192, 57.0845**.

A 20% lighter version of the original color is **88.2354, 93.2320, 107.9528**, and **24.4105, 25.6538, 32.5193** is the 20% darker color. If you saturate the color by 10%, you get **42.5433, 44.4269, 63.4606**, and if you desaturate by 10%, it is **58.4399, 61.4899, 65.9162**.

Distribution



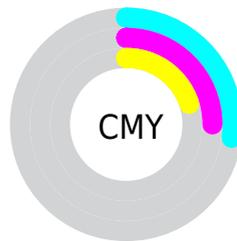
- Red (73%)
- Green (75%)
- Blue (80%)



- Red (73%)
- Yellow (75%)
- Blue (80%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (27%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9984, 52.4980, 64.6247 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 49.9984, 52.4980, 64.6247 by changing the saturation by 10% instead.

■ 49.9984, 52.4980,
64.6247

■ 49.9984, 52.4980,
64.6247

377.1118,
396.3562, 459.7113

■ 35.6299, 37.4022,
46.7074

■ 89.3643, 93.8653,
113.1182

■ 24.3173, 25.5190,
32.4517

115.0925,
120.9055, 144.5315

■ 15.6952, 16.4642,
21.4391

145.3380,
152.6960, 181.2806

■ 9.3982, 9.8532,
13.2510

180.4660,
189.6211, 223.7840

■ 5.0610, 5.3017,
7.4688

220.8421,
232.0653, 272.4602

■ 2.3182, 2.4254,
3.6741

266.8315,

■ 0.8040, 0.8389,

280.4130, 327.7278

1.4483

318.7996,
335.0485, 390.0053

■ 0.0000, 0.0000,
0.1790

■ 0.0000, 0.0000,
0.0000

■ 49.9984, 52.4980,
64.6247

■ 49.9984, 52.4980,
64.6247

■ 42.5433, 44.4269,
63.4606

■ 58.4399, 61.4899,
65.9162

■ 36.0328, 37.2398,
62.4165

■ 67.8985, 71.4248,
67.3353

■ 30.4288, 30.9069,
61.4894

■ 78.4091, 82.3323,
68.8867

■ 25.6885, 25.3941,
60.6752

■ 85.2142, 91.7697,
70.3496

■ 21.7657, 20.6650,
59.9692

■ 87.8992, 97.1397,
71.2446

■ 18.6095, 16.6799,
59.3663

■ 16.1627, 13.3951,
58.8612

■ 14.3589, 10.7613,
58.4479

■ 13.0966, 8.7098,
58.1185

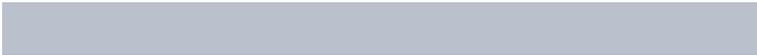
Harmonies

Analogous

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



48.7438, 52.4980, 63.7439



49.9984, 52.4980, 64.6247



51.2469, 52.4980, 63.4347

Triad

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



49.9984, 52.4980, 64.6247



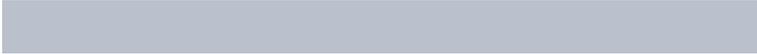
52.0427, 52.4980, 53.4168



47.7149, 52.4980, 53.8950

Complementary

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



49.9984, 52.4980, 64.6247



53.9590, 56.7703, 54.5691

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.



48.5725, 52.4980, 51.3159



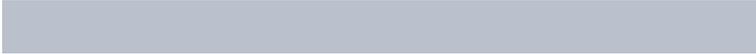
49.9984, 52.4980, 64.6247



51.0698, 52.4980, 51.0484

Square

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



49.9984, 52.4980, 64.6247



52.4399, 52.4980, 56.8739



49.7973, 52.4980, 50.2960



47.4392, 52.4980, 57.4499

Rectangle

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



49.9984, 52.4980, 64.6247



51.9039, 52.4980, 61.6562



49.7973, 52.4980, 50.2960



47.9440, 52.4980, 52.8906

Sweetspot

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



49.9999, 52.5002, 64.6259



90.6863, 95.3677, 108.2359



52.0019, 57.6891, 61.6400



19.1665, 20.1528, 23.1296



0.0000, 0.0000, 0.0000



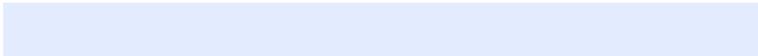
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9999, 52.5002, 64.6259



79.7960, 83.7092, 106.5595



49.3708, 50.2589, 64.2264



10.9023, 11.4451, 14.2049



8.2394, 5.5028, 36.5841



0.4947, 0.4232, 1.9106

Inverse Universe

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



51.9764, 51.7620, 57.1234



83.8800, 82.2447, 91.0429



54.6248, 59.1909, 55.0012



11.3641, 11.2744, 12.4518



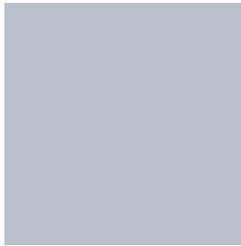
16.3698, 8.3585, 4.3999



0.8797, 0.4453, 0.4122

Previews

White Background



This preview shows how the XYZ color 49.9984, 52.4980, 64.6247 looks on a white background.

Color Contrast Check

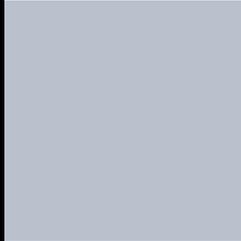
Large Text (above 18pt) WCAG AA × Fail

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 49.9984, 52.4980, 64.6247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

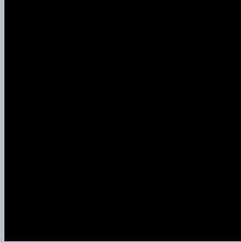
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

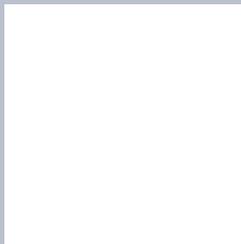
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9984, 52.4980, 64.6247

Background



This preview shows how black text looks on a background with the XYZ color 49.9984, 52.4980, 64.6247.



This preview shows how white text looks on a background with the XYZ color 49.9984, 52.4980,

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

49.9984, 52.4980, 64.6247

Protanopia

50.9312, 52.3452, 63.9192

Deuteranopia

53.4802, 52.3630, 65.0460



Tritanopia

50.3618, 52.6434, 66.5383

Trichromacy



Original Color

49.9984, 52.4980, 64.6247

Protanomaly

50.6455, 52.5205, 63.9681

Deuteranomaly

52.0286, 52.2445, 65.0996

Tritanomaly

50.2399, 52.5946, 65.8964

Monochromacy



Original Color

49.9984, 52.4980, 64.6247

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.0486, 52.6319, 59.7457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9984, 52.4980, 64.6247 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(186, 192, 204) looks like.

```
.text, #text, p{  
    color:rgb(186, 192, 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(186, 192, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 192, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.9984, 52.4980, 64.6247 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(186, 192, 204) }
```

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

```
.border{ border-color:rgb(186, 192, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 192, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 192, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 192, 204);  
box-shadow:4px 4px 4px 4px rgb(186, 192,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9984, 52.4980, 64.6247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 192, 204) }
```

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

```
.background{ background-color: rgb(186,  
192, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor