

Converting Colors

XYZ(49.3004, 49.6666, 70.3903)

Have a look what the booklet for
XYZ(49.3004, 49.6666, 70.3903)
contains.

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Color

**XYZ(49.4941, 49.8673,
70.6350)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B9D6
RGB	185, 185, 214
RGB Percent	73%, 73%, 84%
CMY	0.2745, 0.2745, 0.1608
CMYK	0.14, 0.14, 0.00, 0.16
HSL	240°, 26%, 78%
HSV	240°, 14%, 84%
XYZ	49.4941, 49.8673, 70.6350
YIQ	188.3060, -9.3090, 9.0190

Conversions

Conversions Part 2

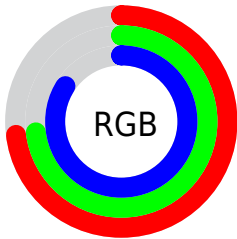
Format	Color
RYB	185, 185, 214
Decimal	12171734
CIELab	75.99, 5.76, -14.53
CIELCh	76, 15.635, 291.626
Yxy	49.8673, 0.2911, 0.2933
Android (android.graphics.Color)	4290361814 (0xFFB9B9D6)
YUV	188.3060, 12.6671, -2.8994
Hunter-Lab	70.6168, 1.5282, -9.8735

Details

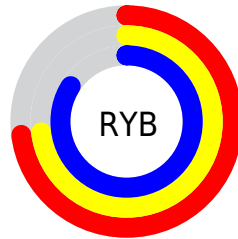
The XYZ color **49.4941, 49.8673, 70.6350** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.5351, 65.8914, 55.4276**, and the grayscale version is **47.9092, 50.4042, 54.8901**.

A 20% lighter version of the original color is **85.7809, 88.8314, 107.2328**, and **24.0250, 23.9113, 36.1500** is the 20% darker color. If you saturate the color by 10%, you get **40.5706, 39.1155, 69.0308**, and if you desaturate by 10%, it is **59.8714, 62.3711, 72.5023**.

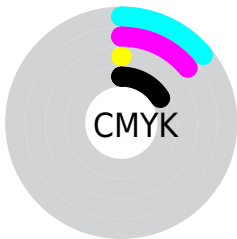
Distribution



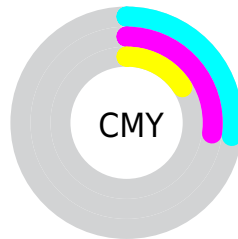
- Red (73%)
- Green (73%)
- Blue (84%)



- Red (73%)
- Yellow (73%)
- Blue (84%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4941, 49.8673, 70.6350 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 49.4941, 49.8673, 70.6350 by changing the saturation by 10% instead.

■ 49.4941, 49.8673,
70.6350

■ 49.4941, 49.8673,
70.6350

375.1690,
386.1468, 481.6257

■ 35.2277, 35.3080,
51.5644

■ 88.6212, 89.9782,
121.8035

■ 24.0057, 23.9002,
36.2781

114.2126,
116.2986, 154.7384

■ 15.4626, 15.2596,
24.3577

144.3098,
147.3082, 193.1318

■ 9.2331, 9.0018,
15.3845

179.2780,
183.3912, 237.4023

■ 4.9519, 4.7423,
8.9401

219.4827,
224.9322, 287.9684

■ 2.2535, 2.0969,
4.6058

265.2892,

■ 0.7707, 0.6629,

272.3156, 345.2487

1.9632

317.0629,
325.9256, 409.6616

■ 0.0000, 0.0000,
0.5325

■ 0.0000, 0.0000,
0.0000

■ 49.4941, 49.8673,
70.6350

■ 49.4941, 49.8673,
70.6350

■ 40.5706, 39.1155,
69.0308

■ 59.8714, 62.3711,
72.5023

■ 33.0317, 30.0318,
67.6748

■ 71.7584, 76.6938,
74.6404

■ 26.8094, 22.5344,
66.5556

■ 85.2138, 92.9061,
77.0605

■ 21.8283, 16.5324,
65.6597

■ 89.1377, 97.6351,
77.7665

■ 18.0051, 11.9257,
64.9720

■ 15.2466, 8.6017,
64.4758

■ 13.4452, 6.4309,
64.1517

■ 12.4704, 5.2561,
63.9763

■ 12.1380, 4.8555,
63.9165

Harmonies

Analogous

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



46.5855, 49.8673, 71.7843



49.4941, 49.8673, 70.6350



51.9306, 49.8673, 64.8885

Triad

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



49.4941, 49.8673, 70.6350



50.9641, 49.8673, 42.6554



42.0636, 49.8673, 51.9919

Complementary

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



49.4941, 49.8673, 70.6350



60.5351, 65.8914, 55.4276

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.



43.1360, 49.8673, 44.9258



49.4941, 49.8673, 70.6350



48.2186, 49.8673, 39.9088

Square

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



49.4941, 49.8673, 70.6350



52.8033, 49.8673, 48.5910



45.3607, 49.8673, 40.6952



42.3737, 49.8673, 60.4331

Rectangle

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



49.4941, 49.8673, 70.6350



52.9203, 49.8673, 59.5178



45.3607, 49.8673, 40.6952



42.2727, 49.8673, 49.3909

Sweetspot

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



49.4956, 49.8694, 70.6361



88.2287, 91.7810, 107.6731



56.1309, 63.2386, 72.5438



18.6188, 19.3247, 22.9987



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.



49.4956, 49.8694, 70.6361



69.9382, 69.7427, 104.3833



53.0450, 51.6983, 70.8021



11.7428, 12.0089, 15.6366



7.3366, 2.9349, 38.6330



0.4425, 0.1771, 2.3302

Inverse Universe

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



53.8386, 52.4979, 53.1969



77.5009, 74.3199, 74.0154



56.6193, 63.8738, 55.2446



12.4234, 12.4208, 12.9036



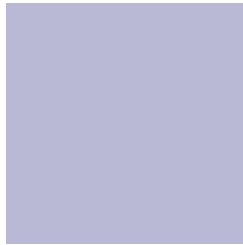
16.7620, 8.6411, 0.7849



1.0110, 0.5212, 0.0474

Previews

White Background



This preview shows how the XYZ color 49.4941, 49.8673, 70.6350 looks on a white background.

Color Contrast Check

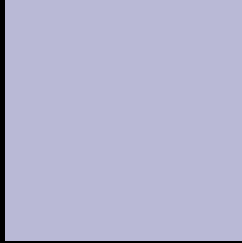
Large Text (above 18pt) WCAG AA × Fail

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 49.4941, 49.8673, 70.6350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

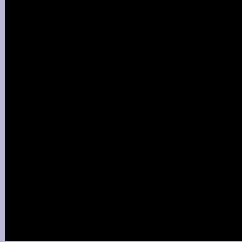
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4941, 49.8673, 70.6350

Background



This preview shows how black text looks on a background with the XYZ color 49.4941, 49.8673, 70.6350.



This preview shows how white text looks on a background with the XYZ color 49.4941, 49.8673,

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

49.4941, 49.8673, 70.6350

Protanopia

48.9879, 49.9179, 70.6715

Deuteranopia

50.9375, 49.9797, 71.2523



Tritanopia

47.9594, 49.8722, 62.9757

Trichromacy



Original Color

49.4941, 49.8673, 70.6350

Protanomaly

49.2249, 50.0401, 70.6826

Deuteranomaly

50.3925, 50.0061, 71.2861

Tritanomaly

48.4666, 49.7644, 65.4435

Monochromacy



Original Color

49.4941, 49.8673, 70.6350

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.3419, 50.1367, 59.9528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4941, 49.8673, 70.6350 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(185, 185, 214)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 214)  
}
```

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(185, 185, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 214) }
```

Border

The CSS property to change the border of an element to XYZ 49.4941, 49.8673, 70.6350 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(185, 185, 214) }
```


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

```
.border{ border-color:rgb(185, 185, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 214);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4941, 49.8673, 70.6350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 214) }
```

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

```
.background{ background-color: rgb(185,  
185, 214) }
```

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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