

Converting Colors

XYZ(56.5756, 49.8872, 92.2513)

Have a look what the booklet for
XYZ(56.5756, 49.8872, 92.2513)
contains.

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Color

**XYZ(56.3670, 49.6411,
92.1988)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAEF4
RGB	204, 174, 244
RGB Percent	80%, 68%, 96%
CMY	0.2000, 0.3176, 0.0431
CMYK	0.16, 0.29, 0.00, 0.04
HSL	266°, 76%, 82%
HSV	266°, 29%, 96%
XYZ	56.3670, 49.6411, 92.1988
YIQ	190.9500, -4.5900, 28.1300

Conversions

Conversions Part 2

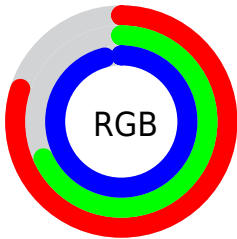
Format	Color
RYB	204, 174, 244
Decimal	13414132
CIELab	75.85, 24.18, -30.85
CIELCh	76, 39.201, 308.087
Yxy	49.6411, 0.2844, 0.2505
Android (android.graphics.Color)	4291604212 (0xFFCCAEF4)
YUV	190.9500, 26.1537, 11.4449
Hunter-Lab	70.4564, 19.5059, -28.2670

Details

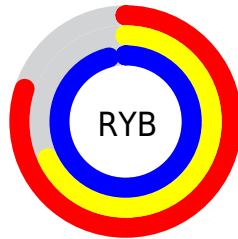
The XYZ color **56.3670, 49.6411, 92.1988** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **67.7238, 82.0547, 52.3153**, and the grayscale version is **49.3488, 51.9188, 56.5396**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **28.3089, 23.6951, 50.6585** is the 20% darker color. If you saturate the color by 10%, you get **48.4226, 39.1730, 90.5978**, and if you desaturate by 10%, it is **65.5130, 62.0020, 94.1034**.

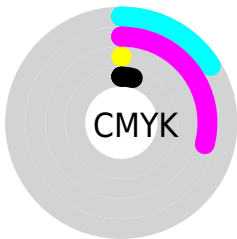
Distribution



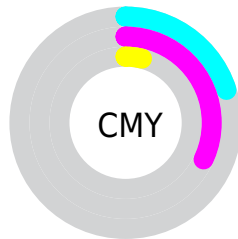
- Red (80%)
- Green (68%)
- Blue (96%)



- Red (80%)
- Yellow (68%)
- Blue (96%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (32%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3670, 49.6411, 92.1988 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 56.3670, 49.6411, 92.1988 by changing the saturation by 10% instead.

■ 56.3670, 49.6411,
92.1988

■ 56.3670, 49.6411,
92.1988

401.1257,
385.2608, 555.9114

■ 40.7354, 35.1283,
69.2218

■ 98.6777, 89.6429,
152.3510

■ 28.2991, 23.7617,
50.4195

126.0874,
115.9007, 190.3632

■ 18.6929, 15.1570,
35.3733

158.1540,
146.8422, 234.2244

■ 11.5513, 8.9296,
23.6647

195.2427,
182.8520, 284.3528

■ 6.5089, 4.6953,
14.8752

237.7188,
224.3143, 341.1673

■ 3.2005, 2.0696,
8.5862

285.9478,

■ 1.2607, 0.6475,

271.6137, 405.0861

4.3792

340.2950,
325.1343, 476.5280

■ 0.1535, 0.0000,
1.8356

■ 0.0000, 0.0000,
0.4513

■ 56.3670, 49.6411,
92.1988

■ 56.3670, 49.6411,
92.1988

■ 48.4226, 39.1730,
90.5978

■ 65.5130, 62.0020,
94.1034

■ 41.6195, 30.4943,
89.2812

■ 75.9073, 76.3398,
96.3231

■ 35.8994, 23.5006,
88.2327

■ 87.5996, 92.7408,
98.8725

■ 31.1960, 18.0738,
87.4332

■ 93.3293, 99.3117,
99.8389

■ 27.4347, 14.0800,
86.8605

■ 24.5287, 11.3612,
86.4889

■ 22.3556, 9.6900,
86.2809

■ 22.1046, 9.5090,
86.2592

Harmonies

Analogous

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



49.1818, 49.6411, 104.3269



56.3670, 49.6411, 92.1988



61.4166, 49.6411, 70.4570

Triad

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



56.3670, 49.6411, 92.1988



52.6086, 49.6411, 24.7086



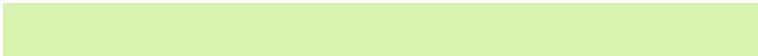
34.6220, 49.6411, 59.8968

Complementary

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



56.3670, 49.6411, 92.1988



67.7238, 82.0547, 52.3153

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.



35.3372, 49.6411, 40.4121



56.3670, 49.6411, 92.1988



45.2379, 49.6411, 23.2541

Square

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



56.3670, 49.6411, 92.1988



59.0958, 49.6411, 32.8784



39.0539, 49.6411, 28.2134



36.9884, 49.6411, 82.7851

Rectangle

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



56.3670, 49.6411, 92.1988



62.6223, 49.6411, 55.4014



39.0539, 49.6411, 28.2134



34.5150, 49.6411, 52.7222

Sweetspot

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



56.3686, 49.6431, 92.1999



83.4994, 83.8184, 106.3854



58.0444, 64.0481, 94.8920



17.4963, 17.4183, 22.6899



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.



56.3686, 49.6431, 92.1999



57.4110, 48.3803, 100.9202



66.7825, 55.0117, 92.6873



16.2546, 16.2739, 20.8270



12.1684, 5.2473, 46.9095



1.1846, 0.5205, 4.1283

Inverse Universe

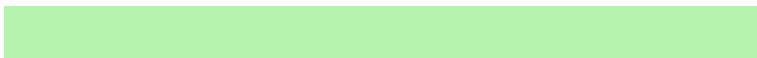
The Inverse Universe completely reimagines the original color for something new.



64.5834, 54.3622, 70.7093



67.9325, 54.4299, 73.1479



58.7759, 77.4419, 51.8965



16.8960, 16.6412, 19.1988



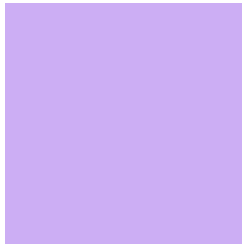
22.9071, 11.5063, 14.7511



2.0647, 1.0319, 1.5673

Previews

White Background



This preview shows how the XYZ color 56.3670, 49.6411, 92.1988 looks on a white background.

Color Contrast Check

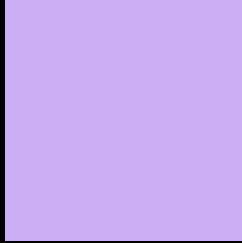
Large Text (above 18pt) WCAG AA × Fail

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 56.3670, 49.6411, 92.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

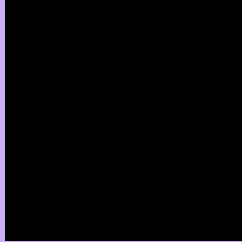
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3670, 49.6411, 92.1988

Background



This preview shows how black text looks on a background with the XYZ color 56.3670, 49.6411, 92.1988.



This preview shows how white text looks on a background with the XYZ color 56.3670, 49.6411,

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

56.3670, 49.6411, 92.1988

Protanopia

51.0681, 50.0510, 99.0647

Deuteranopia

51.0720, 49.9219, 90.9485



Tritanopia

49.7765, 49.6340, 59.7801

Trichromacy



Original Color

56.3670, 49.6411, 92.1988

Protanomaly

52.6788, 49.7111, 96.4413

Deuteranomaly

52.7486, 49.5527, 91.5785

Tritanomaly

52.0120, 49.6397, 70.4584

Monochromacy



Original Color

56.3670, 49.6411, 92.1988

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.7468, 51.0868, 68.1062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3670, 49.6411, 92.1988 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(204, 174, 244)` looks like.

```
.text, #text, p{  
    color:rgb(204, 174, 244)  
}
```

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(204, 174, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 174, 244) }
```

Border

The CSS property to change the border of an element to XYZ 56.3670, 49.6411, 92.1988 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(204, 174, 244) }
```


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

```
.border{ border-color:rgb(204, 174, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 174, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 174, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 174, 244);  
box-shadow:4px 4px 4px 4px rgb(204, 174,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3670, 49.6411, 92.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 174, 244) }
```

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

```
.background{ background-color: rgb(204,  
174, 244) }
```

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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