

Converting Colors

XYZ(46.3224, 44.1674, 66.3983)

Have a look what the booklet for
XYZ(46.3224, 44.1674, 66.3983)
contains.

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Color

**XYZ(46.3212, 44.1684,
66.4056)**

Conversions

Conversions Part 1

Format	Color
Hex	BAABD1
RGB	186, 171, 209
RGB Percent	73%, 67%, 82%
CMY	0.2706, 0.3294, 0.1804
CMYK	0.11, 0.18, 0.00, 0.18
HSL	264°, 29%, 75%
HSV	264°, 18%, 82%
XYZ	46.3212, 44.1684, 66.4056
YIQ	179.8170, -3.2580, 14.9980

Conversions

Conversions Part 2

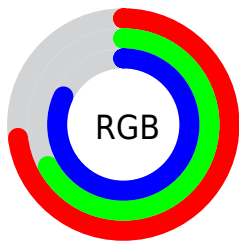
Format	Color
R _Y B	186, 171, 209
Decimal	12233681
CIE Lab	72.34, 12.70, -17.30
CIE LCh	72, 21.455, 306.279
Yxy	44.1684, 0.2952, 0.2815
Android (android.graphics.Color)	4290423761 (0xFFBAABD1)
YUV	179.8170, 14.3872, 5.4225
Hunter-Lab	66.4593, 8.1082, -12.7206

Details

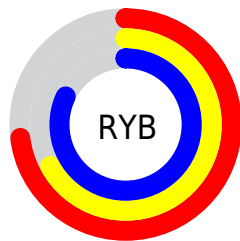
The XYZ color **46.3212, 44.1684, 66.4056** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.4010, 60.0118, 47.3518**, and the grayscale version is **43.2120, 45.4624, 49.5086**.

A 20% lighter version of the original color is **81.8643, 80.4900, 105.8291**, and **22.1861, 20.5468, 33.8069** is the 20% darker color. If you saturate the color by 10%, you get **39.7430, 35.3737, 65.0555**, and if you desaturate by 10%, it is **53.7985, 54.3554, 67.9785**.

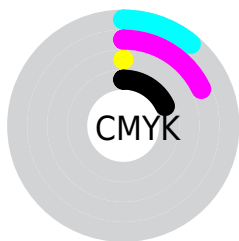
Distribution



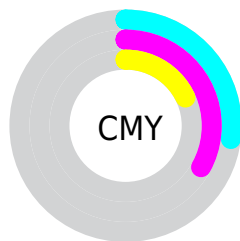
- Red (73%)
- Green (67%)
- Blue (82%)



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



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (27%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3212, 44.1684, 66.4056 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 46.3212, 44.1684, 66.4056 by changing the saturation by 10% instead.

■ 46.3212, 44.1684,
66.4056

■ 46.3212, 44.1684,
66.4056

362.7928,
363.3950, 466.2698

■ 32.7051, 30.8029,
48.1432

■ 83.9244, 81.4711,
115.7008

■ 22.0587, 20.4488,
33.5795

108.6422,
106.1771, 147.5707

■ 14.0169, 12.7217,
22.2960

137.7913,
135.4320, 184.8135

■ 8.2142, 7.2372,
13.8742

171.7369,
169.6203, 227.8477

■ 4.2853, 3.6109,
7.8954

210.8445,
209.1264, 277.0919

■ 1.8648, 1.4584,
3.9413

255.4795,

■ 0.5562, 0.2592,

254.3346, 332.9646

1.5932

306.0071,
305.6294, 395.8844

■ 0.0000, 0.0000,
0.2860

■ 0.0000, 0.0000,
0.0000

■ 46.3212, 44.1684,
66.4056

■ 46.3212, 44.1684,
66.4056

■ 39.7430, 35.3737,
65.0555

■ 53.7985, 54.3554,
67.9785

■ 34.0234, 27.9037,
63.9151

■ 62.2048, 65.9875,
69.7806

■ 29.1250, 21.6933,
62.9745

■ 71.5739, 79.1211,
71.8219

■ 25.0056, 16.6694,
62.2219

■ 81.9362, 93.8082,
74.1106

■ 21.6188, 12.7514,
61.6442

■ 86.4270, 96.3103,
74.3569

■ 18.9127, 9.8478,
61.2263

■ 88.5088, 97.3835,
74.4543

■ 16.8274, 7.8521,
60.9510

■ 15.2777, 6.6077,
60.7925

■ 15.0314, 6.4195,
60.7692

Harmonies

Analogous

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



42.7617, 44.1684, 71.2530



46.3212, 44.1684, 66.4056



48.8182, 44.1684, 56.7393

Triad

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



46.3212, 44.1684, 66.4056



44.9005, 44.1684, 31.7824



35.3149, 44.1684, 50.3491

Complementary

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



46.3212, 44.1684, 66.4056



52.4010, 60.0118, 47.3518

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.



35.8135, 44.1684, 40.3710



46.3212, 44.1684, 66.4056



41.2094, 44.1684, 30.5875

Square

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



46.3212, 44.1684, 66.4056



47.9650, 44.1684, 37.0410



37.9203, 44.1684, 33.4988



36.5162, 44.1684, 61.1474

Rectangle

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



46.3212, 44.1684, 66.4056



49.4675, 44.1684, 49.4228



37.9203, 44.1684, 33.4988



35.2903, 44.1684, 46.7851

Sweetspot

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



46.3226, 44.1703, 66.4066



88.3340, 90.6987, 107.4586



47.6932, 52.0397, 67.8533



18.7116, 19.1436, 22.9588



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.



46.3226, 44.1703, 66.4066



68.2821, 63.3997, 103.2462



51.1304, 46.6488, 66.6316



11.5988, 11.6420, 14.8795



9.3715, 4.0115, 37.4729



0.6122, 0.2698, 2.0994

Inverse Universe

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



50.5966, 46.5781, 57.3650



76.3281, 67.9359, 86.0741



47.9293, 57.7066, 47.1426



12.1049, 11.9267, 13.8284



18.6044, 9.3146, 13.3546



1.0787, 0.5362, 0.9493

Previews

White Background



This preview shows how the XYZ color 46.3212, 44.1684, 66.4056 looks on a white background.

Color Contrast Check

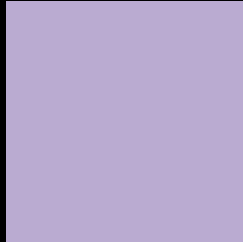
Large Text (above 18pt) WCAG AA × Fail

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 46.3212, 44.1684, 66.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

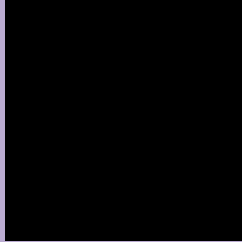
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3212, 44.1684, 66.4056

Background



This preview shows how black text looks on a background with the XYZ color 46.3212, 44.1684, 66.4056.



This preview shows how white text looks on a background with the XYZ color 46.3212, 44.1684,

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

46.3212, 44.1684, 66.4056

Protanopia

43.9866, 44.3502, 68.5295

Deuteranopia

45.2746, 44.1939, 66.4656



Tritanopia

43.9355, 44.3581, 53.8233

Trichromacy



Original Color

46.3212, 44.1684, 66.4056

Protanomaly

44.7984, 44.2054, 67.7994

Deuteranomaly

45.5526, 44.0536, 66.4239

Tritanomaly

44.8670, 44.4480, 58.4391

Monochromacy



Original Color

46.3212, 44.1684, 66.4056

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.4175, 45.1510, 55.6642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3212, 44.1684, 66.4056 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, 171, 209)` looks like.

```
.text, #text, p{  
    color:rgb(186, 171, 209)  
}
```

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, 171, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 171, 209) }
```

Border

The CSS property to change the border of an element to XYZ 46.3212, 44.1684, 66.4056 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, 171, 209) }
```


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

```
.border{ border-color:rgb(186, 171, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 171, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 171, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 171, 209);  
box-shadow:4px 4px 4px 4px rgb(186, 171,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3212, 44.1684, 66.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 171, 209) }
```

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

```
.background{ background-color: rgb(186,  
171, 209) }
```

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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