

Converting Colors

XYZ(49.0220, 46.4273, 66.0559)

Have a look what the booklet for
XYZ(49.0220, 46.4273, 66.0559)
contains.

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Color

**XYZ(49.0269, 46.4283,
66.0521)**

Conversions

Conversions Part 1

Format	Color
Hex	C3AED0
RGB	195, 174, 208
RGB Percent	76%, 68%, 82%
CMY	0.2353, 0.3176, 0.1843
CMYK	0.06, 0.16, 0.00, 0.18
HSL	277°, 27%, 75%
HSV	277°, 16%, 82%
XYZ	49.0269, 46.4283, 66.0521
YIQ	184.1550, 1.6020, 15.0260

Conversions

Conversions Part 2

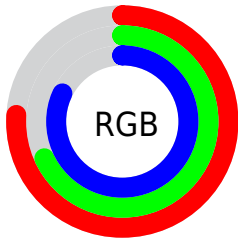
Format	Color
R_{YB}	195, 174, 208
Decimal	12824272
CIE _{Lab}	73.82, 13.83, -14.44
CIE _{LCh}	74, 19.991, 313.755
Yxy	46.4283, 0.3036, 0.2875
Android (android.graphics.Color)	4291014352 (0xFFC3AED0)
YUV	184.1550, 11.7556, 9.5111
Hunter-Lab	68.1383, 9.1923, -9.7779

Details

The XYZ color **49.0269, 46.4283, 66.0521** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **50.6911, 58.7338, 48.7118**, and the grayscale version is **45.5833, 47.9571, 52.2253**.

A 20% lighter version of the original color is **86.4917, 84.5091, 106.3610**, and **23.7768, 21.9149, 33.5487** is the 20% darker color. If you saturate the color by 10%, you get **43.3153, 37.9744, 64.7221**, and if you desaturate by 10%, it is **55.4730, 56.1870, 67.5967**.

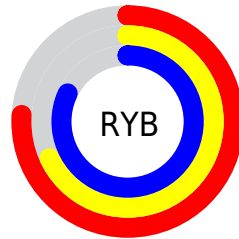
Distribution



Red (76%)

Green (68%)

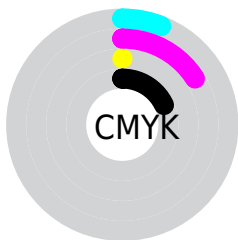
Blue (82%)



Red (76%)

Yellow (68%)

Blue (82%)

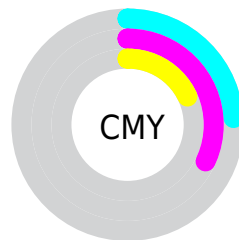


Cyan (6%)

Magenta (16%)

Yellow (0%)

Black (18%)



Cyan (24%)

Magenta (32%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0269, 46.4283, 66.0521 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 49.0269, 46.4283, 66.0521 by changing the saturation by 10% instead.

■ 49.0269, 46.4283,
66.0521

■ 49.0269, 46.4283,
66.0521

373.3634,
372.5279, 464.9725

■ 34.8554, 32.5839,
47.8579

■ 87.9319, 84.8596,
115.1888

■ 23.7175, 21.8079,
33.3552

113.3961,
110.2154, 146.9685

■ 15.2478, 13.7158,
22.1254

143.3553,
140.1770, 184.1137

■ 9.0809, 7.9233,
13.7498

178.1749,
175.1290, 227.0431

■ 4.8515, 4.0459,
7.8101

218.2201,
215.4557, 276.1751

■ 2.1943, 1.6993,
3.8877

263.8564,

■ 0.7397, 0.4232,

261.5415, 331.9283

1.5639

315.4490,
313.7707, 394.7212

■ 0.0000, 0.0000,
0.2649

■ 0.0000, 0.0000,
0.0000

■ 49.0269, 46.4283,
66.0521

■ 49.0269, 46.4283,
66.0521

■ 43.3153, 37.9744,
64.7221

■ 55.4730, 56.1870,
67.5967

■ 38.3038, 30.7615,
63.5940

■ 62.6778, 67.2990,
69.3618

■ 33.9612, 24.7291,
62.6585

■ 70.6694, 79.8171,
71.3568

■ 30.2523, 19.8092,
61.9043

■ 78.7657, 92.3751,
73.3540

■ 27.1382, 15.9267,
61.3191

■ 81.3301, 93.6970,
73.4740

■ 24.5751, 12.9968,
60.8886

■ 84.0118, 95.0795,
73.5995

■ 22.5123, 10.9211,
60.5967

■ 86.8124, 96.5233,
73.7306

■ 20.8858, 9.5743,
60.4225

■ 88.3853, 97.3341,
73.8042

■ 20.3576, 9.1795,
60.3741

Harmonies

Analogous

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



45.7741, 46.4283, 72.0515



49.0269, 46.4283, 66.0521



51.0221, 46.4283, 56.2290

Triad

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



49.0269, 46.4283, 66.0521



46.0686, 46.4283, 33.9905



37.8166, 46.4283, 55.3517

Complementary

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



49.0269, 46.4283, 66.0521



50.6911, 58.7338, 48.7118

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.



37.8860, 46.4283, 45.2715



49.0269, 46.4283, 66.0521



42.5232, 46.4283, 33.8219

Square

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



49.0269, 46.4283, 66.0521



49.2525, 46.4283, 38.1864



39.5681, 46.4283, 37.6898



39.3732, 46.4283, 65.3360

Rectangle

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



49.0269, 46.4283, 66.0521



51.3071, 46.4283, 49.2811



39.5681, 46.4283, 37.6898



37.6532, 46.4283, 51.8456

Sweetspot

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



49.0283, 46.4303, 66.0531



89.3456, 91.2202, 107.5060



46.6200, 49.1095, 66.6972



18.9574, 19.2703, 22.9703



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.



49.0283, 46.4303, 66.0531



74.0687, 68.1529, 103.8587



52.0529, 48.0452, 63.6788



11.8547, 11.7739, 14.8914



12.7985, 5.7782, 37.6332



0.8026, 0.3679, 2.1083

Inverse Universe

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



50.1198, 47.2719, 53.4988



76.2199, 69.8005, 79.6226



48.0457, 57.3247, 50.6366



11.9931, 11.8820, 13.2396



17.1479, 8.7320, 5.6852



0.9971, 0.5035, 0.5194

Previews

White Background



This preview shows how the XYZ color 49.0269, 46.4283, 66.0521 looks on a white background.

Color Contrast Check

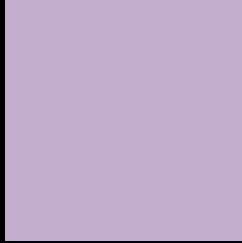
Large Text (above 18pt) WCAG AA × Fail

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 49.0269, 46.4283, 66.0521 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

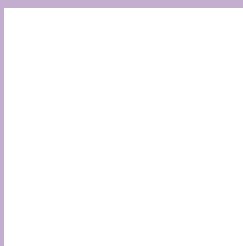
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0269, 46.4283, 66.0521

Background



This preview shows how black text looks on a background with the XYZ color 49.0269, 46.4283, 66.0521.



This preview shows how white text looks on a background with the XYZ color 49.0269, 46.4283,

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

49.0269, 46.4283, 66.0521

Protanopia

45.8841, 46.5099, 68.8463

Deuteranopia

47.4781, 46.5141, 65.5072



Tritanopia

46.8643, 46.4123, 55.7787

Trichromacy



Original Color

49.0269, 46.4283, 66.0521

Protanomaly

46.9697, 46.4890, 68.1257

Deuteranomaly

48.0230, 46.5028, 65.4763

Tritanomaly

47.5957, 46.4193, 59.2746

Monochromacy



Original Color

49.0269, 46.4283, 66.0521

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.6859, 47.1841, 57.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0269, 46.4283, 66.0521 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(195, 174, 208)` looks like.

```
.text, #text, p{  
    color:rgb(195, 174, 208)  
}
```

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(195, 174, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 174, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.0269, 46.4283, 66.0521 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(195, 174, 208) }
```


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

```
.border{ border-color:rgb(195, 174, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 174, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 174, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 174, 208);  
box-shadow:4px 4px 4px 4px rgb(195, 174,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0269, 46.4283, 66.0521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 174, 208) }
```

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

```
.background{ background-color: rgb(195,  
174, 208) }
```

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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