

Converting Colors

XYZ(40.5845, 30.2576, 48.7587)

Have a look what the booklet for
XYZ(40.5845, 30.2576, 48.7587)
contains.

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Color

**XYZ(40.4086, 30.1753,
48.4944)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7AB7
RGB	204, 122, 183
RGB Percent	80%, 48%, 72%
CMY	0.2000, 0.5215, 0.2824
CMYK	0.00, 0.40, 0.10, 0.20
HSL	315°, 45%, 64%
HSV	315°, 40%, 80%
XYZ	40.4086, 30.1753, 48.4944
YIQ	153.4720, 29.2910, 36.3550

Conversions

Conversions Part 2

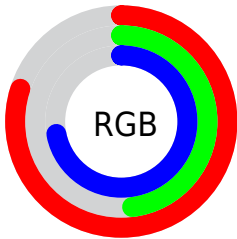
Format	Color
R_{YB}	204, 122, 183
Decimal	13400759
CIE _{Lab}	61.81, 40.60, -18.59
CIE _{LCh}	62, 44.652, 335.399
Yxy	30.1753, 0.3393, 0.2534
Android (android.graphics.Color)	4291590839 (0xFFCC7AB7)
YUV	153.4720, 14.5573, 44.3131
Hunter-Lab	54.9320, 35.1754, -13.8892

Details

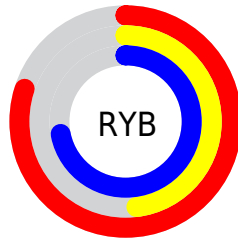
The XYZ color **40.4086, 30.1753, 48.4944** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **34.5781, 49.3074, 33.6834**, and the grayscale version is **30.4143, 31.9982, 34.8461**.

A 20% lighter version of the original color is **72.3453, 58.5427, 89.1482**, and **18.4952, 12.4141, 22.5404** is the 20% darker color. If you saturate the color by 10%, you get **37.6281, 25.4681, 44.9343**, and if you desaturate by 10%, it is **43.7369, 35.9448, 52.3373**.

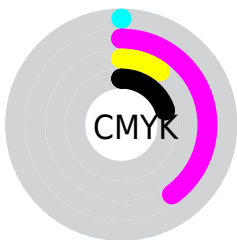
Distribution



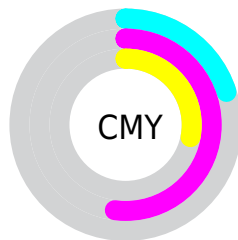
- Red (80%)
- Green (48%)
- Blue (72%)



- Red (80%)
- Yellow (48%)
- Blue (72%)



- Cyan (0%)
- Magenta (40%)
- Yellow (10%)
- Black (20%)





- Cyan (20%)
- Magenta (52%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4086, 30.1753, 48.4944 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 40.4086, 30.1753, 48.4944 by changing the saturation by 10% instead.


 40.4086, 30.1753,
48.4944

 40.4086, 30.1753,
48.4944


338.9477,
302.7207, 397.3136


 28.0429, 19.9717,
33.8558


 75.0657, 59.9393,
89.3133

 18.4986, 12.3745,
22.5064


 98.0878, 80.2685,
116.3306

 11.4104, 6.9992,
14.0276


 125.3928,
104.7416, 148.3113

 6.4129, 3.4616,
8.0009

157.3459,
133.7431, 185.6738

 3.1408, 1.3772,
4.0077

194.3127,
167.6574, 228.8368

 1.2286, 0.1998,
1.6296

236.6583,

 0.1288, 0.0000,

206.8688, 278.2187

0.3118

284.7482,
251.7618, 334.2381

■ 0.0000, 0.0000,
0.0000

■ 40.4086, 30.1753,
48.4944

■ 40.4086, 30.1753,
48.4944

■ 37.6281, 25.4681,
44.9343

■ 43.7369, 35.9448,
52.3373

■ 35.3592, 21.7526,
41.6430

■ 47.6406, 42.8331,
56.4724

■ 33.5657, 18.9563,
38.6076

■ 52.1490, 50.8976,
60.9108

■ 32.2052, 16.9948,
35.8129

■ 57.2883, 60.1906,
65.6621

■ 31.2276, 15.7681,
33.2410

■ 63.0832, 70.7613,
70.7357

■ 30.5494, 15.0964,
30.9039

■ 69.5571, 82.6560,
76.1404

■ 73.5239, 89.5022,
80.8150

■ 74.2252, 89.7827,
84.5078

■ 74.9483, 90.0720,
88.3153

Harmonies

Analogous

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



35.8417, 30.1753, 67.5125



40.4086, 30.1753, 48.4944



41.6645, 30.1753, 29.8647

Triad

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



40.4086, 30.1753, 48.4944



27.6164, 30.1753, 9.8207



20.3193, 30.1753, 55.7606

Complementary

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



40.4086, 30.1753, 48.4944



34.5781, 49.3074, 33.6834

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.



18.7206, 30.1753, 36.0402



40.4086, 30.1753, 48.4944



22.5434, 30.1753, 12.7118

Square

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



40.4086, 30.1753, 48.4944



33.7191, 30.1753, 11.1423



19.4747, 30.1753, 21.0025



24.1710, 30.1753, 72.6255

Rectangle

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



40.4086, 30.1753, 48.4944



40.3240, 30.1753, 20.6970



19.4747, 30.1753, 21.0025



19.5268, 30.1753, 49.0326

Sweetspot

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



40.4095, 30.1767, 48.4950



84.8170, 81.5120, 99.3907



29.1013, 24.0754, 60.2405



17.9360, 17.0553, 21.0621



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.



40.4095, 30.1767, 48.4950



62.9802, 43.2887, 75.3099



36.7826, 28.7259, 29.3960



11.5600, 11.3528, 13.4838



19.2675, 9.5176, 19.6589



1.0237, 0.5029, 1.1704

Inverse Universe

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



40.4095, 30.1767, 48.4950



62.9802, 43.2887, 75.3099



38.2194, 50.7639, 52.8582



11.5600, 11.3528, 13.4838



19.2675, 9.5176, 19.6589



1.0237, 0.5029, 1.1704

Previews

White Background



This preview shows how the XYZ color 40.4086, 30.1753, 48.4944 looks on a white background.

Color Contrast Check

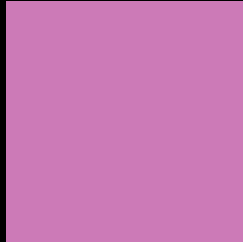
Large Text (above 18pt) WCAG AA × Fail

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 40.4086, 30.1753, 48.4944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

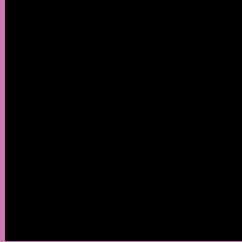
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4086, 30.1753, 48.4944

Background



This preview shows how black text looks on a background with the XYZ color 40.4086, 30.1753, 48.4944.



This preview shows how white text looks on a background with the XYZ color 40.4086, 30.1753,

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

40.4086, 30.1753, 48.4944

Protanopia

31.0821, 30.5124, 60.1284

Deuteranopia

30.9932, 30.2965, 46.8621



Tritanopia

36.4031, 30.2682, 28.7346

Trichromacy



Original Color

40.4086, 30.1753, 48.4944

Protanomaly

33.3810, 29.7763, 55.6178

Deuteranomaly

33.7614, 29.7327, 47.1396

Tritanomaly

37.8073, 30.2562, 35.2998

Monochromacy



Original Color

40.4086, 30.1753, 48.4944

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.3871, 30.7970, 39.3067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4086, 30.1753, 48.4944 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, 122, 183)` looks like.

```
.text, #text, p{  
    color:rgb(204, 122, 183)  
}
```

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, 122, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 122, 183) }
```

Border

The CSS property to change the border of an element to XYZ 40.4086, 30.1753, 48.4944 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, 122, 183) }
```


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

```
.border{ border-color:rgb(204, 122, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 122, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 122, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 122, 183);  
box-shadow:4px 4px 4px 4px rgb(204, 122,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4086, 30.1753, 48.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 122, 183) }
```

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

```
.background{ background-color: rgb(204,  
122, 183) }
```

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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