

Converting Colors

XYZ(38.7174, 29.7646, 46.5970)

Have a look what the booklet for
XYZ(38.7174, 29.7646, 46.5970)
contains.

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Color

**XYZ(38.6330, 29.6757,
46.3396)**

Conversions

Conversions Part 1

Format	Color
Hex	C67CB3
RGB	198, 124, 179
RGB Percent	78%, 49%, 70%
CMY	0.2235, 0.5137, 0.2980
CMYK	0.00, 0.37, 0.10, 0.22
HSL	315°, 39%, 63%
HSV	315°, 37%, 78%
XYZ	38.6330, 29.6757, 46.3396
YIQ	152.3960, 26.4490, 32.7930

Conversions

Conversions Part 2

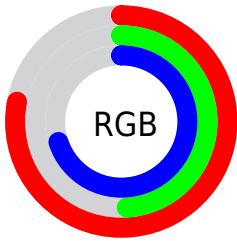
Format	Color
R_{YB}	198, 124, 179
Decimal	13008051
CIE _{Lab}	61.37, 36.87, -17.04
CIE _{LCh}	61, 40.616, 335.200
Yxy	29.6757, 0.3370, 0.2588
Android (android.graphics.Color)	4291198131 (0xFFC67CB3)
YUV	152.3960, 13.1158, 39.9947
Hunter-Lab	54.4754, 31.2571, -12.3024

Details

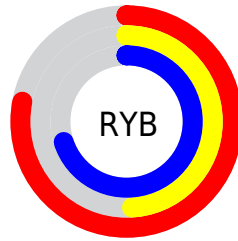
The XYZ color **38.6330, 29.6757, 46.3396** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.4654, 46.6573, 33.2305**, and the grayscale version is **29.9539, 31.5139, 34.3186**.

A 20% lighter version of the original color is **72.1558, 59.0989, 86.2015**, and **17.4761, 12.1111, 21.1552** is the 20% darker color. If you saturate the color by 10%, you get **35.8917, 25.0005, 42.9357**, and if you desaturate by 10%, it is **41.8933, 35.3575, 50.0107**.

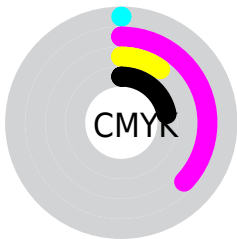
Distribution



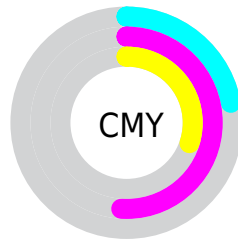
- Red (78%)
- Green (49%)
- Blue (70%)



- Red (78%)
- Yellow (49%)
- Blue (70%)



- Cyan (0%)
- Magenta (37%)
- Yellow (10%)
- Black (22%)





- Cyan (22%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6330, 29.6757, 46.3396 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 38.6330, 29.6757, 46.3396 by changing the saturation by 10% instead.


 38.6330, 29.6757,
46.3396


 38.6330, 29.6757,
46.3396

331.5617,
300.3899, 388.4895


 26.6538, 19.5926,
32.1633


 72.3750, 59.1489,
86.0666

 17.4486, 12.0992,
21.2204


 94.8685, 79.3078,
112.4545

 10.6521, 6.8113,
13.0924


 121.5974,
103.5941, 143.7498

 5.8990, 3.3444,
7.3607

152.9272,
132.3921, 180.3714

 2.8238, 1.3141,
3.6069

189.2232,
166.0863, 222.7375

 1.0613, 0.1520,
1.4122

230.8507,

 0.0000, 0.0000,

205.0611, 271.2669

0.1512

278.1751,
249.7008, 326.3780

■ 0.0000, 0.0000,
0.0000

■ 38.6330, 29.6757,
46.3396

■ 38.6330, 29.6757,
46.3396

■ 35.8917, 25.0005,
42.9357

■ 41.8933, 35.3575,
50.0107

■ 33.6364, 21.2678,
39.7860

■ 45.6974, 42.0970,
53.9573

■ 31.8347, 18.4125,
36.8790

■ 50.0721, 49.9466,
58.1896

■ 30.4488, 16.3593,
34.2012

■ 55.0413, 58.9538,
62.7165

■ 29.4345, 15.0205,
31.7367

■ 60.6276, 69.1638,
67.5465

■ 28.7301, 14.2727,
29.4640

■ 66.8525, 80.6190,
72.6877

■ 28.5679, 14.1175,
28.8888

■ 71.2620, 88.4111,
77.3229

■ 71.9240, 88.6759,
80.8090

■ 72.6065, 88.9489,
84.4030

Harmonies

Analogous

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



34.5728, 29.6757, 62.9262



38.6330, 29.6757, 46.3396



39.7637, 29.6757, 29.7102

Triad

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



38.6330, 29.6757, 46.3396



27.2822, 29.6757, 10.9311



20.5952, 29.6757, 52.4845

Complementary

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



38.6330, 29.6757, 46.3396



33.4654, 46.6573, 33.2305

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.



19.1375, 29.6757, 35.0610



38.6330, 29.6757, 46.3396



22.6729, 29.6757, 13.6975

Square

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



38.6330, 29.6757, 46.3396



32.7530, 29.6757, 12.2429



19.8471, 29.6757, 21.4459



24.1003, 29.6757, 67.1902

Rectangle

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



38.6330, 29.6757, 46.3396



38.5956, 29.6757, 21.3043



19.8471, 29.6757, 21.4459



19.8712, 29.6757, 46.5772

Sweetspot

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



38.6339, 29.6771, 46.3402



85.6073, 82.9356, 100.1385



28.6433, 24.2892, 56.6052



18.0938, 17.3392, 21.2122



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.



38.6339, 29.6771, 46.3402



64.3184, 45.5548, 77.0207



35.4176, 28.3905, 29.4031



10.9623, 10.7683, 12.7847



18.6145, 9.1954, 18.9779



0.9096, 0.4467, 1.0471

Inverse Universe

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



38.6339, 29.6771, 46.3402



64.3184, 45.5548, 77.0207



36.6947, 47.9490, 50.2355



10.9623, 10.7683, 12.7847



18.6145, 9.1954, 18.9779



0.9096, 0.4467, 1.0471

Previews

White Background



This preview shows how the XYZ color 38.6330, 29.6757, 46.3396 looks on a white background.

Color Contrast Check

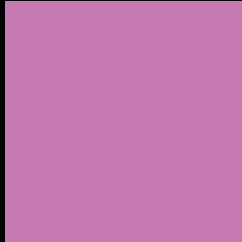
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6330, 29.6757, 46.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

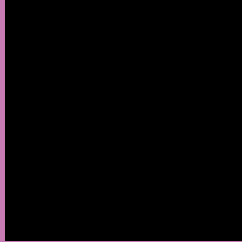
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6330, 29.6757, 46.3396

Background



This preview shows how black text looks on a background with the XYZ color 38.6330, 29.6757, 46.3396.



This preview shows how white text looks on a background with the XYZ color 38.6330, 29.6757,

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

38.6330, 29.6757, 46.3396

Protanopia

30.2757, 29.9585, 55.8166

Deuteranopia

30.4409, 29.8300, 44.7108



Tritanopia

34.9163, 29.4931, 29.0518

Trichromacy



Original Color

38.6330, 29.6757, 46.3396

Protanomaly

32.5185, 29.4085, 52.1066

Deuteranomaly

32.7185, 29.2414, 44.9940

Tritanomaly

36.1412, 29.4070, 34.7816

Monochromacy



Original Color

38.6330, 29.6757, 46.3396

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.5568, 30.3897, 38.3323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6330, 29.6757, 46.3396 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(198, 124, 179)` looks like.

```
.text, #text, p{  
    color:rgb(198, 124, 179)  
}
```

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(198, 124, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 124, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.6330, 29.6757, 46.3396 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(198, 124, 179) }
```


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

```
.border{ border-color:rgb(198, 124, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 124, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 124, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 124, 179);  
box-shadow:4px 4px 4px 4px rgb(198, 124,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6330, 29.6757, 46.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 124, 179) }
```

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

```
.background{ background-color: rgb(198,  
124, 179) }
```

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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