

Converting Colors

XYZ(24.2177, 12.2676, 17.9263)

Have a look what the booklet for
XYZ(24.2177, 12.2676, 17.9263)
contains.

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Color

**XYZ(24.3057, 12.3203,
17.9266)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0A75
RGB	189, 10, 117
RGB Percent	74%, 4%, 46%
CMY	0.2588, 0.9606, 0.5412
CMYK	0.00, 0.95, 0.38, 0.26
HSL	324°, 90%, 39%
HSV	324°, 95%, 74%
XYZ	24.3057, 12.3203, 17.9266
YIQ	75.7190, 72.3370, 71.2250

Conversions

Conversions Part 2

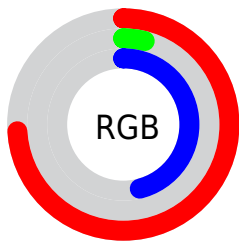
Format	Color
R_{YB}	189, 10, 117
Decimal	12388981
CIE _{Lab}	41.72, 68.57, -10.10
CIE _{LCh}	42, 69.309, 351.622
Yxy	12.3203, 0.4455, 0.2258
Android (android.graphics.Color)	4290579061 (0xFFBD0A75)
YUV	75.7190, 20.3515, 99.3474
Hunter-Lab	35.1003, 62.1794, -5.7107

Details

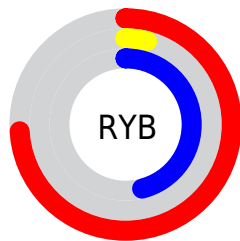
The XYZ color **24.3057, 12.3203, 17.9266** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **19.8475, 37.0696, 14.0986**, and the grayscale version is **6.7765, 7.1294, 7.7639**.

A 20% lighter version of the original color is **50.0755, 30.1680, 40.7199**, and **10.2801, 5.1755, 6.0874** is the 20% darker color. If you saturate the color by 10%, you get **23.9648, 12.0102, 16.6670**, and if you desaturate by 10%, it is **25.1004, 13.1649, 20.4878**.

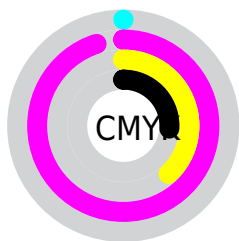
Distribution



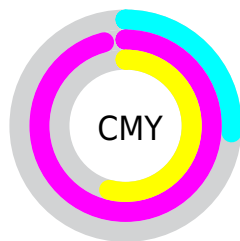
- Red (74%)
- Green (4%)
- Blue (46%)



- Red (74%)
- Yellow (4%)
- Blue (46%)



- Cyan (0%)
- Magenta (95%)
- Yellow (38%)
- Black (26%)



- Cyan (26%)
- Magenta (96%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3057, 12.3203, 17.9266 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 24.3057, 12.3203, 17.9266 by changing the saturation by 10% instead.

■ 24.3057, 12.3203,
17.9266

■ 24.3057, 12.3203,
17.9266

266.7743,
206.5144, 252.6792

■ 15.6865, 6.9622,
10.7284

■ 49.9797, 30.0771,
40.7245

■ 9.3920, 3.4385,
5.7726

■ 67.7651, 43.2447,
57.1612

■ 5.0569, 1.3647,
2.6408

■ 89.3367, 59.7841,
77.5146

■ 2.3158, 0.1905,
0.9134

■ 115.0598, 80.0799,
102.2030

■ 0.8027, 0.0000,
0.0000

■ 145.2998,
104.5165, 131.6452

■ 0.0000, 0.0000,
0.0000

■ 180.4219,

133.4781, 166.2596

220.7916,
167.3493, 206.4648

■ 24.3057, 12.3203,
17.9266

■ 24.3057, 12.3203,
17.9266

■ 23.9648, 12.0102,
16.6670

■ 25.1004, 13.1649,
20.4878

■ 26.2155, 14.5908,
23.3389

■ 27.6974, 16.6895,
26.4996

■ 29.5840, 19.5358,
29.9863

■ 31.9085, 23.1946,
33.8138

■ 34.7003, 27.7236,
37.9954

■ 37.9862, 33.1754,
42.5438

■ 41.7909, 39.5981,
47.4704

■ 46.1375, 47.0368,
52.7864

Harmonies

Analogous

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



21.1795, 12.3203, 39.4236



24.3057, 12.3203, 17.9266



23.3674, 12.3203, 5.5105

Triad

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



24.3057, 12.3203, 17.9266



8.4614, 12.3203, 0.5244



6.6245, 12.3203, 49.5658

Complementary

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



24.3057, 12.3203, 17.9266



19.8475, 37.0696, 14.0986

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.



4.7650, 12.3203, 26.6198



24.3057, 12.3203, 17.9266



5.5916, 12.3203, 2.4533

Square

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



24.3057, 12.3203, 17.9266



13.1946, 12.3203, 0.2351



4.4513, 12.3203, 9.7315



10.3413, 12.3203, 64.6368

Rectangle

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



24.3057, 12.3203, 17.9266



20.6551, 12.3203, 2.0821



4.4513, 12.3203, 9.7315



5.8120, 12.3203, 41.9711

Sweetspot

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



24.3061, 12.3210, 17.9268



65.7156, 55.5491, 73.0569



12.7410, 5.6688, 48.5667



13.5929, 11.0531, 14.9595



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3061, 12.3210, 17.9268



42.7992, 21.4616, 29.2092



21.3039, 11.1202, 2.1179



9.7630, 9.6295, 11.1411



16.1629, 8.0963, 11.4173



0.6647, 0.3298, 0.6134

Inverse Universe

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



24.3061, 12.3210, 17.9268



42.7992, 21.4616, 29.2092



25.6837, 39.4041, 44.8319



9.7630, 9.6295, 11.1411



16.1629, 8.0963, 11.4173



0.6647, 0.3298, 0.6134

Previews

White Background



This preview shows how the XYZ color 24.3057, 12.3203, 17.9266 looks on a white 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

Black Background



This preview shows how the XYZ color 24.3057, 12.3203, 17.9266 looks on a black 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

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

XYZ 24.3057, 12.3203, 17.9266

Background



This preview shows how black text looks on a background with the XYZ color 24.3057, 12.3203, 17.9266.



This preview shows how white text looks on a background with the XYZ color 24.3057, 12.3203,

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

24.3057, 12.3203, 17.9266

Protanopia

14.0152, 12.9031, 38.3111

Deuteranopia

12.9789, 12.7177, 16.2387



Tritanopia

21.5576, 12.5607, 4.0846

Trichromacy



Original Color

24.3057, 12.3203, 17.9266

Protanomaly

14.4433, 9.7112, 29.5470

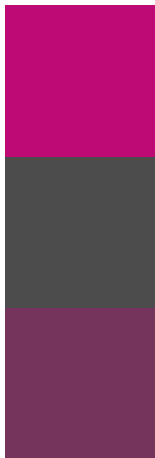
Deuteranomaly

14.9683, 10.1847, 16.5062

Tritanomaly

22.0243, 12.0642, 7.4711

Monochromacy



Original Color

24.3057, 12.3203, 17.9266

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

10.4524, 6.9932, 10.6965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3057, 12.3203, 17.9266 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(189, 10, 117)` looks like.

```
.text, #text, p{  
    color:rgb(189, 10, 117)  
}
```

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(189, 10, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 10, 117) }
```

Border

The CSS property to change the border of an element to XYZ 24.3057, 12.3203, 17.9266 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(189, 10, 117) }
```


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

```
.border{ border-color:rgb(189, 10, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 10, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 10, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 10, 117);  
box-shadow:4px 4px 4px 4px rgb(189, 10,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3057, 12.3203, 17.9266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 10, 117) }
```

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

```
.background{ background-color: rgb(189, 10,  
117) }
```

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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