

Converting Colors

XYZ(23.9849, 12.0084, 17.2167)

Have a look what the booklet for
XYZ(23.9849, 12.0084, 17.2167)
contains.

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Color

**XYZ(24.0808, 12.0566,
17.2776)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0073
RGB	189, 0, 115
RGB Percent	74%, 0%, 45%
CMY	0.2588, 0.9999, 0.5490
CMYK	0.00, 1.00, 0.39, 0.26
HSL	323°, 100%, 37%
HSV	323°, 100%, 74%
XYZ	24.0808, 12.0566, 17.2776
YIQ	69.6210, 75.7290, 75.8330

Conversions

Conversions Part 2

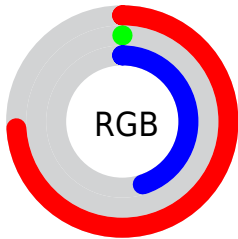
Format	Color
RYB	189, 0, 115
Decimal	12386419
CIELab	41.31, 69.38, -9.47
CIElCh	41, 70.019, 352.224
Yxy	12.0566, 0.4508, 0.2257
Android (android.graphics.Color)	4290576499 (0xFFBD0073)
YUV	69.6210, 22.3718, 104.6954
Hunter-Lab	34.7226, 63.0286, -5.1962

Details

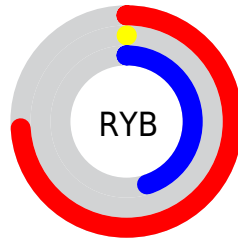
The XYZ color **24.0808, 12.0566, 17.2776** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **19.4350, 36.8903, 12.5800**, and the grayscale version is **5.7168, 6.0146, 6.5499**.

A 20% lighter version of the original color is **49.6479, 29.6110, 39.6580**, and **10.2190, 5.1511, 5.7658** is the 20% darker color. If you saturate the color by 10%, you get **24.0802, 12.0564, 17.2742**, and if you desaturate by 10%, it is **24.7558, 12.6973, 19.6891**.

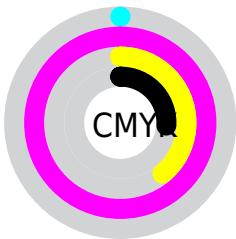
Distribution



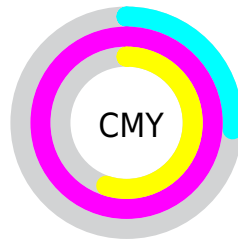
- Red (74%)
- Green (0%)
- Blue (45%)



- Red (74%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0808, 12.0566, 17.2776 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 24.0808, 12.0566, 17.2776 by changing the saturation by 10% instead.

■ 24.0808, 12.0566,
17.2776

■ 24.0808, 12.0566,
17.2776

265.6616,
204.7796, 248.8649

■ 15.5186, 6.7822,
10.2686

■ 49.6157, 29.5981,
39.5996

■ 9.2729, 3.3263,
5.4695

■ 67.3192, 42.6341,
55.7497

■ 4.9781, 1.3044,
2.4617

■ 88.8005, 59.0261,
75.7839

■ 2.2690, 0.1446,
0.8198

■ 114.4250, 79.1584,
100.1206

■ 0.7788, 0.0000,
0.0000

■ 144.5580,
103.4156, 129.1786

■ 0.0000, 0.0000,
0.0000

■ 179.5648,

132.1819, 163.3763

219.8109,
165.8418, 203.1322

■ 24.0808, 12.0566,
17.2776

■ 24.0808, 12.0566,
17.2776

■ 24.0802, 12.0564,
17.2742

■ 24.7558, 12.6973,
19.6891

■ 25.6900, 13.8006,
22.3594

■ 26.9661, 15.5304,
25.3200

■ 28.6257, 17.9690,
28.5882

■ 30.7043, 21.1860,
32.1794

■ 33.2329, 25.2426,
36.1072

■ 36.2397, 30.1939,
40.3844

■ 39.7504, 36.0903,
45.0226

■ 43.7887, 42.9783,
50.0330

Harmonies

Analogous

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



21.0169, 12.0566, 38.7205



24.0808, 12.0566, 17.2776



23.0551, 12.0566, 5.1482

Triad

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



24.0808, 12.0566, 17.2776



8.1546, 12.0566, 0.4474



6.4663, 12.0566, 49.8513

Complementary

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



24.0808, 12.0566, 17.2776



19.4350, 36.8903, 12.5800

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.



4.5984, 12.0566, 26.7658



24.0808, 12.0566, 17.2776



5.3537, 12.0566, 2.3788

Square

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



24.0808, 12.0566, 17.2776



12.8292, 12.0566, 0.1288



4.2619, 12.0566, 9.7018



10.1908, 12.0566, 64.7416

Rectangle

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



24.0808, 12.0566, 17.2776



20.2969, 12.0566, 1.8861



4.2619, 12.0566, 9.7018



5.6517, 12.0566, 42.2340

Sweetspot

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



24.0812, 12.0573, 17.2778



64.6175, 53.5985, 71.9335



11.8932, 5.0706, 48.4961



13.3884, 10.6864, 14.7607



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.



24.0812, 12.0573, 17.2778



43.0063, 21.5445, 30.2994



21.1322, 10.8777, 1.7487



9.7674, 9.6312, 11.1640



16.2403, 8.1273, 11.8247



0.6674, 0.3309, 0.6278

Inverse Universe

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



24.0812, 12.0573, 17.2778



43.0063, 21.5445, 30.2994



25.1688, 39.1838, 42.7734



9.7674, 9.6312, 11.1640



16.2403, 8.1273, 11.8247



0.6674, 0.3309, 0.6278

Previews

White Background



This preview shows how the XYZ color 24.0808, 12.0566, 17.2776 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 24.0808, 12.0566, 17.2776 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 24.0808, 12.0566, 17.2776

Background



This preview shows how black text looks on a background with the XYZ color 24.0808, 12.0566, 17.2776.



This preview shows how white text looks on a background with the XYZ color 24.0808, 12.0566,

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

24.0808, 12.0566, 17.2776

Protanopia

13.9069, 12.8684, 37.3482

Deuteranopia

12.8724, 12.6751, 15.6780



Tritanopia

21.4977, 12.4735, 3.9639

Trichromacy



Original Color

24.0808, 12.0566, 17.2776



Protanomaly

14.0593, 9.1967, 28.6379



Deuteranomaly

14.6904, 9.8053, 15.8702



Tritanomaly

21.8588, 11.7857, 7.2537

Monochromacy



Original Color

24.0808, 12.0566, 17.2776



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.4282, 6.0594, 9.4768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0808, 12.0566, 17.2776 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, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 115)  
}
```

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, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 24.0808, 12.0566, 17.2776 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, 0, 115) }
```


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

```
.border{ border-color:rgb(189, 0, 115) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0808, 12.0566, 17.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 115) }
```

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

```
.background{ background-color: rgb(189, 0,  
115) }
```

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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