

Converting Colors

XYZ(24.8852, 12.6547, 40.0965)

Have a look what the booklet for
XYZ(24.8852, 12.6547, 40.0965)
contains.

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Color

**XYZ(24.9239, 12.6778,
40.1631)**

Conversions

Conversions Part 1

Format	Color
Hex	AC1EAC
RGB	172, 30, 172
RGB Percent	67%, 12%, 67%
CMY	0.3255, 0.8823, 0.3255
CMYK	0.00, 0.83, 0.00, 0.33
HSL	300°, 70%, 40%
HSV	300°, 83%, 67%
XYZ	24.9239, 12.6778, 40.1631
YIQ	88.6460, 39.0500, 74.2660

Conversions

Conversions Part 2

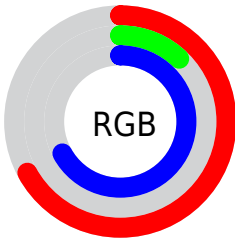
Format	Color
R _Y B	172, 30, 172
Decimal	11280044
CIE Lab	42.27, 68.85, -42.96
CIE LCh	42, 81.158, 328.037
Yxy	12.6778, 0.3205, 0.1630
Android (android.graphics.Color)	4289470124 (0xFFAC1EAC)
YUV	88.6460, 41.0935, 73.1015
Hunter-Lab	35.6059, 62.6385, -41.9544

Details

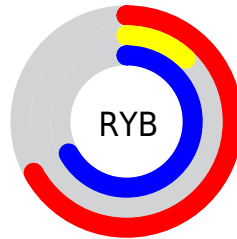
The XYZ color **24.9239, 12.6778, 40.1631** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.5229, 29.8754, 6.1774**, and the grayscale version is **9.3251, 9.8108, 10.6839**.

A 20% lighter version of the original color is **51.0508, 30.7748, 76.6482**, and **10.4000, 4.9767, 17.8652** is the 20% darker color. If you saturate the color by 10%, you get **24.6014, 12.0323, 40.0556**, and if you desaturate by 10%, it is **25.4848, 13.7992, 40.3502**.

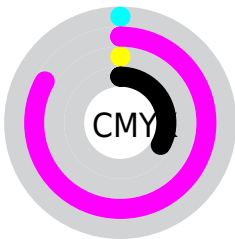
Distribution



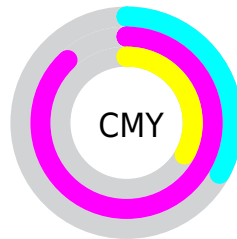
- Red (67%)
- Green (12%)
- Blue (67%)



- Red (67%)
- Yellow (12%)
- Blue (67%)



- Cyan (0%)
- Magenta (83%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (88%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9239, 12.6778, 40.1631 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 24.9239, 12.6778, 40.1631 by changing the saturation by 10% instead.


 24.9239, 12.6778,
40.1631


 24.9239, 12.6778,
40.1631


269.8134,
208.8423, 362.3830


 16.1488, 7.2071,
27.3510


 50.9775, 30.7237,
76.6516

 9.7210, 3.5919,
17.6022

 68.9868, 44.0677,
101.1651


 5.2752, 1.4480,
10.4983


 90.8047, 60.8048,
130.4161

 2.4460, 0.2517,
5.6207

 116.7968, 81.3196,
164.8232

 0.8681, 0.0000,
2.5508

 147.3284,
105.9963, 204.8049

 0.0000, 0.0000,
0.8669

 182.7648,

 0.0000, 0.0000,

135.2194, 250.7797

0.0000

223.4713,
169.3732, 303.1663

■ 24.9239, 12.6778,
40.1631

■ 24.9239, 12.6778,
40.1631

■ 24.6014, 12.0323,
40.0556

■ 25.4848, 13.7992,
40.3502

■ 24.4599, 11.7493,
40.0084

■ 26.3165, 15.4626,
40.6275

■ 27.4479, 17.7253,
41.0046

■ 28.9038, 20.6372,
41.4900

■ 30.7065, 24.2426,
42.0909

■ 32.8763, 28.5822,
42.8142

■ 35.4319, 33.6934,
43.6661

■ 38.3908, 39.6111,
44.6525

■ 41.7694, 46.3682,
45.7787

Harmonies

Analogous

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



18.4162, 12.6778, 69.3829



24.9239, 12.6778, 40.1631



27.8985, 12.6778, 14.9815

Triad

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



24.9239, 12.6778, 40.1631



12.4543, 12.6778, 0.0000



4.4011, 12.6778, 36.2535

Complementary

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



24.9239, 12.6778, 40.1631



15.5229, 29.8754, 6.1774

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.



3.7403, 12.6778, 12.6898



24.9239, 12.6778, 40.1631



7.3512, 12.6778, 0.0876

Square

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



24.9239, 12.6778, 40.1631



19.3508, 12.6778, 0.2819



4.6086, 12.6778, 2.5888



6.8641, 12.6778, 66.0755

Rectangle

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



24.9239, 12.6778, 40.1631



26.9176, 12.6778, 5.8208



4.6086, 12.6778, 2.5888



4.0064, 12.6778, 26.9684

Sweetspot

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



24.9244, 12.6784, 40.1634



58.4315, 49.4310, 77.2670



8.4467, 4.1838, 39.3926



12.4063, 10.1580, 16.6944



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.9244, 12.6784, 40.1634



44.3977, 21.3635, 72.5885



19.8272, 10.6395, 13.3220



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7725



0.5064, 0.2432, 0.8282

Inverse Universe

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



24.9244, 12.6784, 40.1634



44.3977, 21.3635, 72.5885



17.6376, 30.7213, 17.3135



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7725



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 24.9239, 12.6778, 40.1631 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 24.9239, 12.6778, 40.1631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

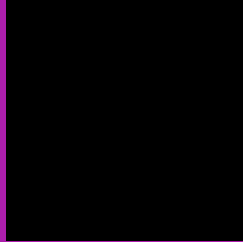
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9239, 12.6778, 40.1631

Background



This preview shows how black text looks on a background with the XYZ color 24.9239, 12.6778, 40.1631.



This preview shows how white text looks on a background with the XYZ color 24.9239, 12.6778,

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

24.9239, 12.6778, 40.1631

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.3552, 13.0398, 35.9955



Tritanopia

18.5572, 12.8519, 8.5238

Trichromacy



Original Color

24.9239, 12.6778, 40.1631



Protanomaly

14.1700, 9.7169, 52.1676



Deuteranomaly

15.1079, 10.7284, 37.3509



Tritanomaly

20.1136, 12.2031, 16.6246

Monochromacy



Original Color

24.9239, 12.6778, 40.1631



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

13.0046, 9.3881, 18.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9239, 12.6778, 40.1631 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(172, 30, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 30, 172)  
}
```

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(172, 30, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 30, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.9239, 12.6778, 40.1631 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(172, 30, 172) }
```


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

```
.border{ border-color:rgb(172, 30, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 30, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 30, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 30, 172); box-shadow:4px 4px 4px 4px rgb(172, 30, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9239, 12.6778, 40.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 30, 172) }
```

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

```
.background{ background-color: rgb(172, 30,  
172) }
```

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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