

Converting Colors

XYZ(29.9923, 15.2072, 12.8979)

Have a look what the booklet for
XYZ(29.9923, 15.2072, 12.8979)
contains.

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Color

**XYZ(29.9362, 15.1780,
12.9071)**

Conversions

Conversions Part 1

Format	Color
Hex	D60062
RGB	214, 0, 98
RGB Percent	84%, 0%, 38%
CMY	0.1608, 0.9998, 0.6157
CMYK	0.00, 1.00, 0.54, 0.16
HSL	333°, 100%, 42%
HSV	333°, 100%, 84%
XYZ	29.9362, 15.1780, 12.9071
YIQ	75.1580, 96.0860, 75.8460

Conversions

Conversions Part 2

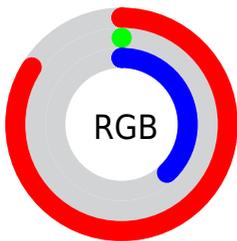
Format	Color
RYB	214, 0, 98
Decimal	14024802
CIELab	45.88, 73.48, 8.44
CIELCh	46, 73.962, 6.550
Yxy	15.1780, 0.5160, 0.2616
Android (android.graphics.Color)	4292214882 (0xFFD60062)
YUV	75.1580, 11.2611, 121.7644
Hunter-Lab	38.9590, 68.9819, 7.6285

Details

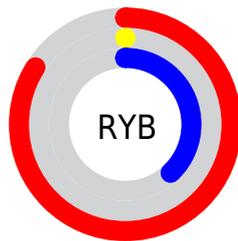
The XYZ color **29.9362, 15.1780, 12.9071** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.2020, 49.3553, 24.6293**, and the grayscale version is **6.6889, 7.0372, 7.6635**.

A 20% lighter version of the original color is **50.2415, 30.7104, 31.2967**, and **13.5687, 6.9233, 3.8700** is the 20% darker color. If you saturate the color by 10%, you get **29.9350, 15.1775, 12.9012**, and if you desaturate by 10%, it is **30.8008, 15.9661, 16.0970**.

Distribution



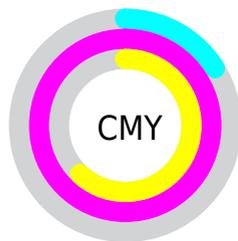
- Red (84%)
- Green (0%)
- Blue (38%)



- Red (84%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (16%)



- Cyan (16%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9362, 15.1780, 12.9071 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 29.9362, 15.1780, 12.9071 by changing the saturation by 10% instead.

 29.9362, 15.1780,
12.9071

 29.9362, 15.1780,
12.9071

293.5221,
224.4411, 221.5083

 19.9380, 8.9444,
7.2346

 58.9486, 35.1651,
31.8255

 12.4580, 4.7049,
3.5286

 78.6935, 49.6875,
45.9086

 7.1308, 2.0752,
1.3705

 102.4180, 67.7415,
63.6322

 3.5911, 0.6506,
0.1185

 130.4875, 89.7117,
85.4150

 1.4735, 0.0000,
0.0000

 163.2673,
115.9823, 111.6754

 0.3077, 0.0000,
0.0000

 201.1227,

 0.0000, 0.0000,

146.9378, 142.8321

0.0000

244.4192,
182.9626, 179.3036

■ 29.9362, 15.1780,
12.9071

■ 29.9362, 15.1780,
12.9071

■ 29.9350, 15.1775,
12.9012

■ 30.8008, 15.9661,
16.0970

■ 32.0535, 17.3981,
19.8239

■ 33.7990, 19.6787,
24.1375

■ 36.0964, 22.9212,
29.0718

■ 38.9956, 27.2215,
34.6568

■ 42.5408, 32.6635,
40.9203

■ 46.7717, 39.3226,
47.8878

■ 51.7247, 47.2680,
55.5834

■ 57.4336, 56.5632,
64.0299

Harmonies

Analogous

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



28.4755, 15.1780, 34.3249



29.9362, 15.1780, 12.9071



26.3750, 15.1780, 3.3449

Triad

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



29.9362, 15.1780, 12.9071



8.3942, 15.1780, 1.4374



10.1579, 15.1780, 72.3675

Complementary

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



29.9362, 15.1780, 12.9071



27.2020, 49.3553, 24.6293

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.



6.7732, 15.1780, 46.6103



29.9362, 15.1780, 12.9071



5.9793, 15.1780, 6.2748

Square

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



29.9362, 15.1780, 12.9071



13.1000, 15.1780, 0.3928



5.4861, 15.1780, 20.7656



15.8391, 15.1780, 79.5930

Rectangle

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



29.9362, 15.1780, 12.9071



22.1043, 15.1780, 1.2380



5.4861, 15.1780, 20.7656



8.7705, 15.1780, 64.9936

Sweetspot

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



29.9366, 15.1789, 12.9073



69.3370, 58.1309, 70.8661



19.0975, 8.4437, 64.2414



14.2431, 11.4965, 14.1991



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.



29.9366, 15.1789, 12.9073



44.4360, 22.5384, 18.7601



27.8096, 14.4520, 1.3251



12.6573, 12.5144, 14.1358



18.1450, 9.1943, 8.0676



1.1359, 0.5712, 0.7051

Inverse Universe

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



29.9366, 15.1789, 12.9073



44.4360, 22.5384, 18.7601



34.4190, 49.4170, 71.3425



12.6573, 12.5144, 14.1358



18.1450, 9.1943, 8.0676



1.1359, 0.5712, 0.7051

Previews

White Background



This preview shows how the XYZ color 29.9362, 15.1780, 12.9071 looks on a white background.

Color Contrast Check

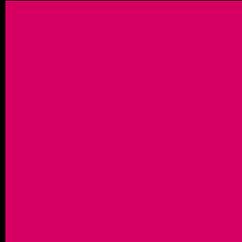
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9362, 15.1780, 12.9071 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 29.9362, 15.1780, 12.9071

Background



This preview shows how black text looks on a background with the XYZ color 29.9362, 15.1780, 12.9071.



This preview shows how white text looks on a background with the XYZ color 29.9362, 15.1780,

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

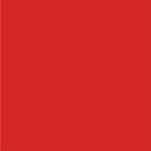
29.9362, 15.1780, 12.9071

Protanopia

15.9379, 15.9296, 27.8259

Deuteranopia

16.0105, 15.6965, 11.6371



Tritanopia

28.2267, 15.5880, 3.3548

Trichromacy



Original Color

29.9362, 15.1780, 12.9071



Protanomaly

17.2837, 11.7263, 21.0911



Deuteranomaly

18.4361, 12.2606, 11.5201



Tritanomaly

28.6038, 15.1676, 5.6950

Monochromacy



Original Color

29.9362, 15.1780, 12.9071



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.2225, 7.1741, 8.9769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9362, 15.1780, 12.9071 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(214, 0, 98)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 98)  
}
```

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(214, 0, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 29.9362, 15.1780, 12.9071 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(214, 0, 98) }
```

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

```
.border{ border-color:rgb(214, 0, 98) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.9362, 15.1780, 12.9071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 98) }
```

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

```
.background{ background-color: rgb(214, 0,  
98) }
```

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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