

Converting Colors

XYZ(29.7022, 14.9348, 25.8967)

Have a look what the booklet for
XYZ(29.7022, 14.9348, 25.8967)
contains.

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Color

**XYZ(29.6706, 14.9185,
25.7418)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0A8B
RGB	204, 10, 139
RGB Percent	80%, 4%, 55%
CMY	0.2000, 0.9607, 0.4549
CMYK	0.00, 0.95, 0.32, 0.20
HSL	320°, 91%, 42%
HSV	320°, 95%, 80%
XYZ	29.6706, 14.9185, 25.7418
YIQ	82.7120, 74.2150, 81.2470

Conversions

Conversions Part 2

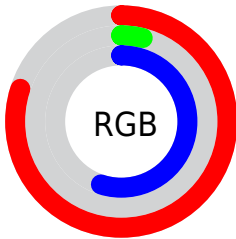
Format	Color
R_{YB}	204, 10, 139
Decimal	13372043
CIE _{Lab}	45.52, 74.00, -17.59
CIE _{LCh}	46, 76.062, 346.625
Yxy	14.9185, 0.4219, 0.2121
Android (android.graphics.Color)	4291562123 (0xFFCC0A8B)
YUV	82.7120, 27.7500, 106.3696
Hunter-Lab	38.6245, 69.5275, -12.4775

Details

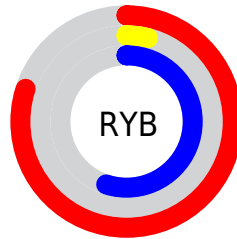
The XYZ color **29.6706, 14.9185, 25.7418** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.9897, 43.7591, 13.8974**, and the grayscale version is **8.1024, 8.5244, 9.2831**.

A 20% lighter version of the original color is **54.6928, 32.7645, 53.8936**, and **13.3048, 6.6506, 10.0336** is the 20% darker color. If you saturate the color by 10%, you get **29.3202, 14.6047, 24.4314**, and if you desaturate by 10%, it is **30.5529, 15.8583, 28.5781**.

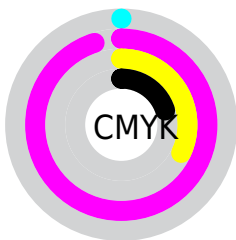
Distribution



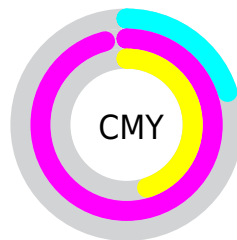
- Red (80%)
- Green (4%)
- Blue (55%)



- Red (80%)
- Yellow (4%)
- Blue (55%)



- Cyan (0%)
- Magenta (95%)
- Yellow (32%)
- Black (20%)





- Cyan (20%)
- Magenta (96%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6706, 14.9185, 25.7418 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 29.6706, 14.9185, 25.7418 by changing the saturation by 10% instead.


 29.6706, 14.9185,
25.7418


 29.6706, 14.9185,
25.7418


292.3035,
222.8724, 295.0773


 19.7355, 8.7622,
16.4065


 58.5311, 34.7101,
53.8371

 12.3101, 4.5864,
9.6548


 78.1872, 49.1143,
73.4342


 7.0289, 2.0067,
5.0681


 101.8143, 67.0365,
97.2890

 3.5267, 0.6114,
2.2278

 129.7779, 88.8612,
125.8200

 1.4380, 0.0000,
0.6904

 162.4433,
114.9727, 159.4458

 0.2831, 0.0000,
0.0000

 200.1757,

 0.0000, 0.0000,

145.7555, 198.5849

0.0000

243.3407,
181.5939, 243.6559

■ 29.6706, 14.9185,
25.7418

■ 29.6706, 14.9185,
25.7418

■ 29.3202, 14.6047,
24.4314

■ 30.5529, 15.8583,
28.5781

■ 31.8013, 17.4797,
31.6933

■ 33.4724, 19.8947,
35.1088

■ 35.6121, 23.1944,
38.8427

■ 38.2603, 27.4575,
42.9106

■ 41.4523, 32.7540,
47.3269

■ 45.2201, 39.1473,
52.1047

■ 49.5933, 46.6957,
57.2561

■ 54.5995, 55.4533,
62.7927

Harmonies

Analogous

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



25.0261, 14.9185, 54.0003



29.6706, 14.9185, 25.7418



29.3785, 14.9185, 8.1568

Triad

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



29.6706, 14.9185, 25.7418



10.9673, 14.9185, 0.3918



7.3423, 14.9185, 57.1828

Complementary

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



29.6706, 14.9185, 25.7418



22.9897, 43.7591, 13.8974

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.



5.4071, 14.9185, 28.4330



29.6706, 14.9185, 25.7418



7.0313, 14.9185, 2.1237

Square

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



29.6706, 14.9185, 25.7418



17.1934, 14.9185, 0.3137



5.3135, 14.9185, 9.4272



11.5403, 14.9185, 79.4714

Rectangle

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



29.6706, 14.9185, 25.7418



26.3990, 14.9185, 3.0433



5.3135, 14.9185, 9.4272



6.4685, 14.9185, 47.2802

Sweetspot

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



29.6711, 14.9193, 25.7420



72.0877, 60.0535, 82.8160



13.8855, 6.0608, 57.5650



14.8659, 11.9000, 17.0024



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.



29.6711, 14.9193, 25.7420



48.4529, 24.1452, 39.9125



25.4353, 13.2250, 3.4367



11.5215, 11.3373, 13.2809



18.4992, 9.2103, 15.6133



0.9887, 0.4889, 0.9866

Inverse Universe

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



29.6711, 14.9193, 25.7420



48.4529, 24.1452, 39.9125



29.1335, 46.2166, 46.2503



11.5215, 11.3373, 13.2809



18.4992, 9.2103, 15.6133



0.9887, 0.4889, 0.9866

Previews

White Background



This preview shows how the XYZ color 29.6706, 14.9185, 25.7418 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 29.6706, 14.9185, 25.7418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

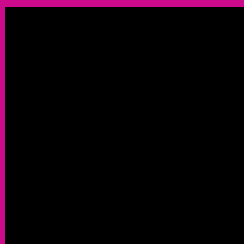
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6706, 14.9185, 25.7418

Background



This preview shows how black text looks on a background with the XYZ color 29.6706, 14.9185, 25.7418.



This preview shows how white text looks on a background with the XYZ color 29.6706, 14.9185,

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

29.6706, 14.9185, 25.7418

Protanopia

17.5270, 15.5091, 55.4959

Deuteranopia

15.7174, 15.4421, 23.2713



Tritanopia

25.4186, 15.0436, 5.5670

Trichromacy



Original Color

29.6706, 14.9185, 25.7418



Protanomaly

17.3915, 11.3938, 42.8776



Deuteranomaly

18.0526, 12.2575, 23.6048



Tritanomaly

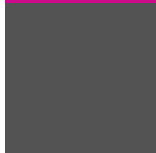
26.2652, 14.4185, 10.4155

Monochromacy



Original Color

29.6706, 14.9185, 25.7418



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

12.6148, 8.3196, 13.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6706, 14.9185, 25.7418 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(204, 10, 139)` looks like.

```
.text, #text, p{  
    color:rgb(204, 10, 139)  
}
```

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(204, 10, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 10, 139) }
```

Border

The CSS property to change the border of an element to XYZ 29.6706, 14.9185, 25.7418 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(204, 10, 139) }
```


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

```
.border{ border-color:rgb(204, 10, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 10, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 10, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 10, 139);  
box-shadow:4px 4px 4px 4px rgb(204, 10,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6706, 14.9185, 25.7418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 10, 139) }
```

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

```
.background{ background-color: rgb(204, 10,  
139) }
```

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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