

Converting Colors

XYZ(29.7219, 14.3780, 44.0473)

Have a look what the booklet for
XYZ(29.7219, 14.3780, 44.0473)
contains.

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Color

**XYZ(29.6225, 14.3310,
43.8527)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00B3
RGB	191, 0, 179
RGB Percent	75%, 0%, 70%
CMY	0.2510, 0.9999, 0.2980
CMYK	0.00, 1.00, 0.06, 0.25
HSL	304°, 100%, 37%
HSV	304°, 100%, 75%
XYZ	29.6225, 14.3310, 43.8527
YIQ	77.5150, 56.3770, 96.1610

Conversions

Conversions Part 2

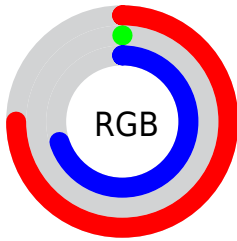
Format	Color
RYB	191, 0, 179
Decimal	12517555
CIELab	44.70, 77.34, -43.04
CIElCh	45, 88.511, 330.907
Yxy	14.3310, 0.3374, 0.1632
Android (android.graphics.Color)	4290707635 (0xFFBF00B3)
YUV	77.5150, 50.0321, 99.5263
Hunter-Lab	37.8563, 73.4274, -42.1820

Details

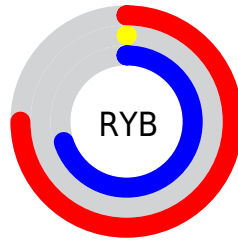
The XYZ color **29.6225, 14.3310, 43.8527** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.6978, 37.2888, 6.5606**, and the grayscale version is **7.0549, 7.4223, 8.0828**.

A 20% lighter version of the original color is **58.3514, 33.6521, 82.0173**, and **13.3745, 6.4672, 19.9454** is the 20% darker color. If you saturate the color by 10%, you get **29.6226, 14.3311, 43.8521**, and if you desaturate by 10%, it is **29.9797, 14.8499, 44.5734**.

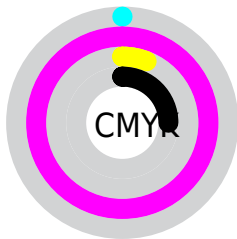
Distribution



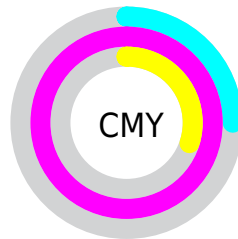
- Red (75%)
- Green (0%)
- Blue (70%)



- Red (75%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6225, 14.3310, 43.8527 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 29.6225, 14.3310, 43.8527 by changing the saturation by 10% instead.


 29.6225, 14.3310,
43.8527


 29.6225, 14.3310,
43.8527


292.0824,
219.2804, 378.1306


 19.6989, 8.3512,
30.2184


 58.4554, 33.6752,
82.2962

 12.2833, 4.3205,
19.7509


 78.0954, 47.8084,
107.9424


 7.0105, 1.8544,
12.0319


 101.7049, 65.4283,
138.4296

 3.5151, 0.5208,
6.6426

 129.6493, 86.9191,
174.1765

 1.4316, 0.0000,
3.1646

 162.2938,
112.6653, 215.6015

 0.2786, 0.0000,
1.1793

 200.0040,

 0.0000, 0.0000,

143.0514, 263.1231

0.0000

243.1450,
178.4616, 317.1600

■ 29.6225, 14.3310,
43.8527

■ 29.6225, 14.3310,
43.8527

■ 29.6226, 14.3311,
43.8521

■ 29.9797, 14.8499,
44.5734

■ 30.5681, 15.8298,
45.3763

■ 31.4711, 17.4372,
46.2893

■ 32.7308, 19.7564,
47.3265

■ 34.3828, 22.8586,
48.4997

■ 36.4585, 26.8063,
49.8194

■ 38.9859, 31.6558,
51.2949

■ 41.9908, 37.4586,
52.9350

■ 45.4970, 44.2621,
54.7474

Harmonies

Analogous

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



22.0265, 14.3310, 80.1778



29.6225, 14.3310, 43.8527



32.6443, 14.3310, 14.9856

Triad

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



29.6225, 14.3310, 43.8527



13.4035, 14.3310, 0.0000



4.8703, 14.3310, 46.0502

Complementary

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



29.6225, 14.3310, 43.8527



18.6978, 37.2888, 6.5606

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.



3.9476, 14.3310, 16.2392



29.6225, 14.3310, 43.8527



7.6832, 14.3310, 0.0792

Square

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



29.6225, 14.3310, 43.8527



21.5084, 14.3310, 0.0000



4.7608, 14.3310, 3.1853



7.9449, 14.3310, 82.0586

Rectangle

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



29.6225, 14.3310, 43.8527



31.0444, 14.3310, 5.3113



4.7608, 14.3310, 3.1853



4.3589, 14.3310, 34.4235

Sweetspot

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



29.6231, 14.3317, 43.8530



69.5832, 56.2328, 91.7331



9.5242, 3.8239, 49.5268



14.8370, 11.4971, 19.8896



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.6231, 14.3317, 43.8530



53.0194, 25.6531, 78.3574



23.1646, 11.7483, 9.8432



9.9034, 9.6857, 11.8802



19.4786, 9.4226, 28.8777



0.7709, 0.3723, 1.1728

Inverse Universe

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



29.6231, 14.3317, 43.8530



53.0194, 25.6531, 78.3574



21.1843, 38.2833, 19.6541



9.9034, 9.6857, 11.8802



19.4786, 9.4226, 28.8777



0.7709, 0.3723, 1.1728

Previews

White Background



This preview shows how the XYZ color 29.6225, 14.3310, 43.8527 looks on a white background.

Color Contrast Check

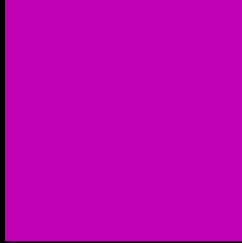
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6225, 14.3310, 43.8527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

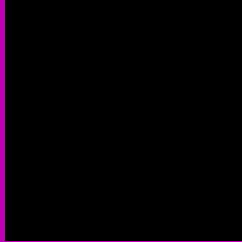
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6225, 14.3310, 43.8527

Background



This preview shows how black text looks on a background with the XYZ color 29.6225, 14.3310, 43.8527.



This preview shows how white text looks on a background with the XYZ color 29.6225, 14.3310,

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

29.6225, 14.3310, 43.8527

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

15.4109, 15.0888, 39.1460



Tritanopia

22.5162, 14.7121, 8.3096

Trichromacy



Original Color

29.6225, 14.3310, 43.8527



Protanomaly

15.5430, 9.6179, 59.4297



Deuteranomaly

17.0457, 11.0864, 40.2712



Tritanomaly

23.9266, 13.3833, 16.9449

Monochromacy



Original Color

29.6225, 14.3310, 43.8527



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.8429, 7.4409, 17.0317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6225, 14.3310, 43.8527 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(191, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 179)  
}
```

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(191, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.6225, 14.3310, 43.8527 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(191, 0, 179) }
```


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

```
.border{ border-color:rgb(191, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6225, 14.3310, 43.8527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 179) }
```

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

```
.background{ background-color: rgb(191, 0,  
179) }
```

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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