

Converting Colors

XYZ(29.6075, 14.2365, 47.6502)

Have a look what the booklet for
XYZ(29.6075, 14.2365, 47.6502)
contains.

XYZ(29.6020, 14.2365, 47.6421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6020, 14.2365,
47.6421)**

Conversions

Conversions Part 1

Format	Color
Hex	BC00BA
RGB	188, 0, 186
RGB Percent	74%, 0%, 73%
CMY	0.2627, 0.9999, 0.2706
CMYK	0.00, 1.00, 0.01, 0.26
HSL	301°, 100%, 37%
HSV	301°, 100%, 74%
XYZ	29.6020, 14.2365, 47.6421
YIQ	77.4160, 52.3420, 97.7020

Conversions

Conversions Part 2

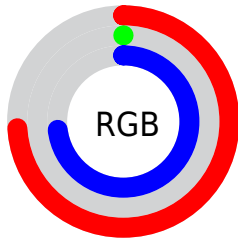
Format	Color
R_{YB}	188, 0, 186
Decimal	12320954
CIE _{Lab}	44.57, 77.84, -47.40
CIE _{LCh}	45, 91.140, 328.659
Yxy	14.2365, 0.3236, 0.1556
Android (android.graphics.Color)	4290511034 (0xFFBC00BA)
YUV	77.4160, 53.5319, 96.9822
Hunter-Lab	37.7313, 74.0120, -48.4517

Details

The XYZ color **29.6020, 14.2365, 47.6421** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.9949, 35.9716, 6.0528**, and the grayscale version is **7.0302, 7.3963, 8.0546**.

A 20% lighter version of the original color is **58.4614, 33.5723, 88.1929**, and **13.3708, 6.4118, 22.3627** is the 20% darker color. If you saturate the color by 10%, you get **29.6023, 14.2367, 47.6422**, and if you desaturate by 10%, it is **29.8535, 14.7049, 47.8311**.

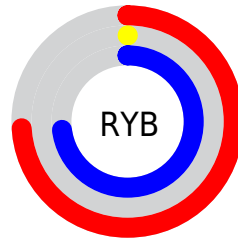
Distribution



Red (74%)

Green (0%)

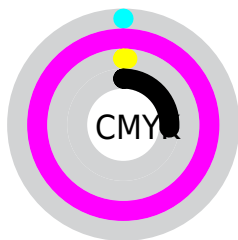
Blue (73%)



Red (74%)

Yellow (0%)

Blue (73%)

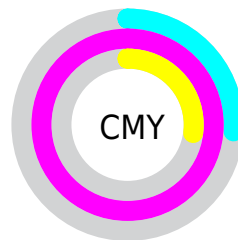


Cyan (0%)

Magenta (100%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6020, 14.2365, 47.6421 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 29.6020, 14.2365, 47.6421 by changing the saturation by 10% instead.

 29.6020, 14.2365,
47.6421

 29.6020, 14.2365,
47.6421


291.9881,
218.6972, 393.8394


 19.6833, 8.2853,
33.1856


 58.4232, 33.5081,
88.0313

 12.2719, 4.2781,
21.9964

 78.0563, 47.5973,
114.8010


 7.0027, 1.8303,
13.6559


 101.6582, 65.1680,
146.5122

 3.5101, 0.5060,
7.7457

 129.5944, 86.6045,
183.5835

 1.4289, 0.0000,
3.8473

 162.2301,
112.2913, 226.4333

 0.2767, 0.0000,
1.5419

 199.9307,

 0.0000, 0.0000,

142.6127, 275.4802

0.2489

243.0616,
177.9532, 331.1427

■ 0.0000, 0.0000,
0.0000

■ 29.6020, 14.2365,
47.6421

■ 29.6020, 14.2365,
47.6421

■ 29.6023, 14.2367,
47.6422

■ 29.8535, 14.7049,
47.8311

■ 30.3260, 15.6158,
48.0938

■ 31.1010, 17.1316,
48.4574

■ 32.2188, 19.3330,
48.9355

■ 33.7137, 22.2885,
49.5395

■ 35.6157, 26.0583,
50.2793

■ 37.9520, 30.6965,
51.1640

■ 40.7472, 36.2525,
52.2018

■ 44.0242, 42.7721,
53.4004

Harmonies

Analogous

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



21.5292, 14.2365, 85.3477



29.6020, 14.2365, 47.6421



33.2179, 14.2365, 16.4702

Triad

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



29.6020, 14.2365, 47.6421



13.8656, 14.2365, 0.0000



4.5166, 14.2365, 44.2494

Complementary

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



29.6020, 14.2365, 47.6421



17.9949, 35.9716, 6.0528

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.



3.7333, 14.2365, 14.5708



29.6020, 14.2365, 47.6421



7.8093, 14.2365, 0.0000

Square

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



29.6020, 14.2365, 47.6421



22.3214, 14.2365, 0.0000



4.6781, 14.2365, 2.5242



7.4180, 14.2365, 82.4211

Rectangle

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



29.6020, 14.2365, 47.6421



31.8877, 14.2365, 5.8046



4.6781, 14.2365, 2.5242



4.0562, 14.2365, 32.4489

Sweetspot

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



29.6026, 14.2372, 47.6424



68.5493, 55.1713, 92.6386



9.0777, 3.6315, 47.8003



14.3397, 11.0669, 19.7703



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.



29.6026, 14.2372, 47.6424



53.6426, 25.7990, 86.3097



22.7605, 11.5003, 11.6123



9.9255, 9.6945, 11.9966



20.1564, 9.6937, 32.4466



0.7910, 0.3803, 1.2785

Inverse Universe

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



29.6026, 14.2372, 47.6424



53.6426, 25.7990, 86.3097



20.0046, 36.7755, 16.6362



9.9255, 9.6945, 11.9966



20.1564, 9.6937, 32.4466



0.7910, 0.3803, 1.2785

Previews

White Background



This preview shows how the XYZ color 29.6020, 14.2365, 47.6421 looks on a white background.

Color Contrast Check

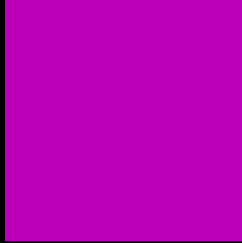
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6020, 14.2365, 47.6421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

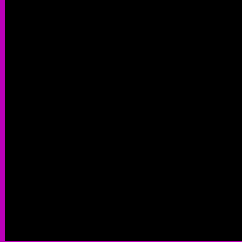
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6020, 14.2365, 47.6421

Background



This preview shows how black text looks on a background with the XYZ color 29.6020, 14.2365, 47.6421.



This preview shows how white text looks on a background with the XYZ color 29.6020, 14.2365,

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

29.6020, 14.2365, 47.6421

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

15.3472, 14.9785, 42.6397



Tritanopia

21.6622, 14.5453, 8.8735

Trichromacy



Original Color

29.6020, 14.2365, 47.6421



Protanomaly

15.7173, 9.6794, 60.7144



Deuteranomaly

16.6952, 10.8259, 43.8575



Tritanomaly

23.0103, 12.9416, 18.1148

Monochromacy



Original Color

29.6020, 14.2365, 47.6421



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6453, 7.2629, 17.6177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6020, 14.2365, 47.6421 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(188, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 186)  
}
```

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(188, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.6020, 14.2365, 47.6421 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(188, 0, 186) }
```


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

```
.border{ border-color:rgb(188, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(188, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6020, 14.2365, 47.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 186) }
```

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

```
.background{ background-color: rgb(188, 0,  
186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor