

Converting Colors

XYZ(28.3165, 13.8159, 36.6469)

Have a look what the booklet for
XYZ(28.3165, 13.8159, 36.6469)
contains.

XYZ(28.2774, 13.7930, 36.7692)	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(28.2774, 13.7930,
36.7692)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00A5
RGB	191, 0, 165
RGB Percent	75%, 0%, 65%
CMY	0.2510, 0.9999, 0.3529
CMYK	0.00, 1.00, 0.14, 0.25
HSL	308°, 100%, 37%
HSV	308°, 100%, 75%
XYZ	28.2774, 13.7930, 36.7692
YIQ	75.9190, 60.8710, 91.8070

Conversions

Conversions Part 2

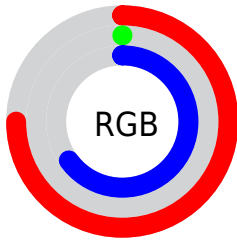
Format	Color
R_{YB}	191, 0, 165
Decimal	12517541
CIE _{Lab}	43.93, 75.45, -35.94
CIE _{LCh}	44, 83.571, 334.530
Yxy	13.7930, 0.3587, 0.1750
Android (android.graphics.Color)	4290707621 (0xFFBF00A5)
YUV	75.9190, 43.9169, 100.9260
Hunter-Lab	37.1389, 70.9159, -32.7025

Details

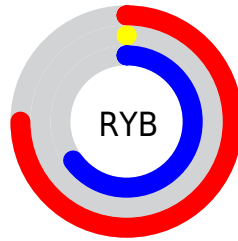
The XYZ color **28.2774, 13.7930, 36.7692** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.8181, 37.3368, 7.1939**, and the grayscale version is **6.7722, 7.1249, 7.7590**.

A 20% lighter version of the original color is **56.1917, 32.6560, 71.0518**, and **12.6535, 6.1788, 16.1485** is the 20% darker color. If you saturate the color by 10%, you get **28.2772, 13.7929, 36.7675**, and if you desaturate by 10%, it is **28.7518, 14.3589, 38.1072**.

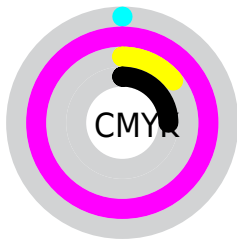
Distribution



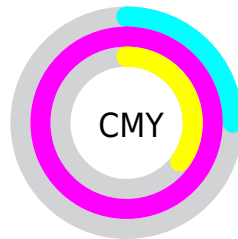
- Red (75%)
- Green (0%)
- Blue (65%)



- Red (75%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2774, 13.7930, 36.7692 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 28.2774, 13.7930, 36.7692 by changing the saturation by 10% instead.


 28.2774, 13.7930,
36.7692


 28.2774, 13.7930,
36.7692


285.8462,
215.9392, 347.4488

 18.6764, 7.9768,
24.7345


 56.3326, 32.7213,
71.4000


 11.5393, 4.0801,
15.6621


 75.5174, 46.6022,
94.8332

 6.5008, 1.7185,
9.1336


 98.6277, 63.9401,
122.9029

 3.1954, 0.4356,
4.7304

 126.0286, 85.1195,
156.0277

 1.2579, 0.0000,
2.0340

 158.0855,
110.5247, 194.6262

 0.1514, 0.0000,
0.5761

 195.1639,

 0.0000, 0.0000,

140.5402, 239.1168

0.0000

237.6290,
175.5502, 289.9182

■ 28.2774, 13.7930,
36.7692

■ 28.2774, 13.7930,
36.7692

■ 28.2772, 13.7929,
36.7675

■ 28.7518, 14.3589,
38.1072

■ 29.4612, 15.3872,
39.5473

■ 30.4891, 17.0448,
41.1176

■ 31.8775, 19.4156,
42.8322

■ 33.6622, 22.5709,
44.7032

■ 35.8743, 26.5733,
46.7411

■ 38.5421, 31.4792,
48.9555

■ 41.6914, 37.3398,
51.3550

■ 45.3458, 44.2028,
53.9477

Harmonies

Analogous

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



21.7249, 13.7930, 69.4782



28.2774, 13.7930, 36.7692



30.3228, 13.7930, 12.3203

Triad

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



28.2774, 13.7930, 36.7692



12.1304, 13.7930, 0.0000



5.1736, 13.7930, 46.5874

Complementary

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



28.2774, 13.7930, 36.7692



18.8181, 37.3368, 7.1939

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.



4.0771, 13.7930, 18.0838



28.2774, 13.7930, 36.7692



7.1396, 13.7930, 0.4825

Square

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



28.2774, 13.7930, 36.7692



19.3776, 13.7930, 0.0210



4.6515, 13.7930, 4.1666



8.3643, 13.7930, 77.7785

Rectangle

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



28.2774, 13.7930, 36.7692



28.4249, 13.7930, 4.4014



4.6515, 13.7930, 4.1666



4.6075, 13.7930, 35.7937

Sweetspot

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



28.2779, 13.7937, 36.7695



68.7749, 55.9095, 87.4770



9.8175, 3.9752, 49.5405



14.6358, 11.4166, 18.8302



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.



28.2779, 13.7937, 36.7695



50.5773, 24.6762, 65.4974



22.5935, 11.5199, 6.8356



9.8726, 9.6733, 11.7179



18.6052, 9.0732, 24.2781



0.7444, 0.3617, 1.0335

Inverse Universe

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



28.2779, 13.7937, 36.7695



50.5773, 24.6762, 65.4974



22.0811, 38.6420, 24.3768



9.8726, 9.6733, 11.7179



18.6052, 9.0732, 24.2781



0.7444, 0.3617, 1.0335

Previews

White Background



This preview shows how the XYZ color 28.2774, 13.7930, 36.7692 looks on a white background.

Color Contrast Check

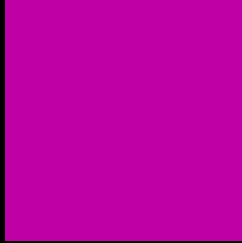
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2774, 13.7930, 36.7692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

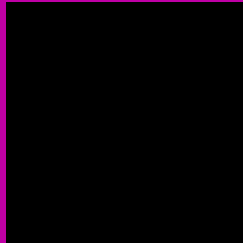
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.2774, 13.7930, 36.7692

Background



This preview shows how black text looks on a background with the XYZ color 28.2774, 13.7930, 36.7692.



This preview shows how white text looks on a background with the XYZ color 28.2774, 13.7930,

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

28.2774, 13.7930, 36.7692

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.8057, 14.4481, 33.0188



Tritanopia

22.2559, 14.1553, 7.1895

Trichromacy



Original Color

28.2774, 13.7930, 36.7692



Protanomaly

14.5376, 9.1230, 54.4208



Deuteranomaly

16.5773, 10.8026, 34.0123



Tritanomaly

23.2992, 12.8996, 14.3586

Monochromacy



Original Color

28.2774, 13.7930, 36.7692



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.2349, 7.0482, 14.9556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2774, 13.7930, 36.7692 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 28.2774, 13.7930, 36.7692 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, 165) }
```


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

```
.border{ border-color:rgb(191, 0, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2774, 13.7930, 36.7692 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, 165) }
```

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

```
.background{ background-color: rgb(191, 0,  
165) }
```

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