

Converting Colors

XYZ(29.7806, 18.3455, 53.9603)

Have a look what the booklet for
XYZ(29.7806, 18.3455, 53.9603)
contains.

XYZ(29.7730, 18.3481, 54.1969)	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(29.7730, 18.3481,
54.1969)**

Conversions

Conversions Part 1	
Format	Color
Hex	AC4FC4
RGB	172, 79, 196
RGB Percent	67%, 31%, 77%
CMY	0.3255, 0.6902, 0.2314
CMYK	0.12, 0.60, 0.00, 0.23
HSL	288°, 50%, 54%
HSV	288°, 60%, 77%
XYZ	29.7730, 18.3481, 54.1969
YIQ	120.1450, 17.8710, 56.1030

Conversions

Conversions Part 2

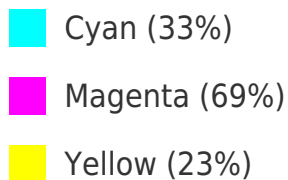
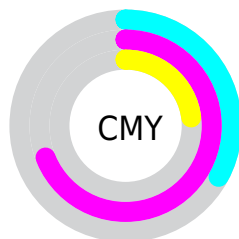
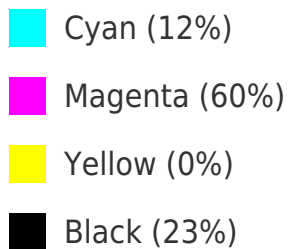
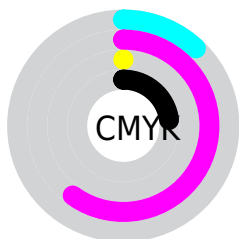
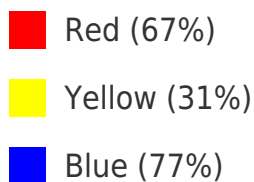
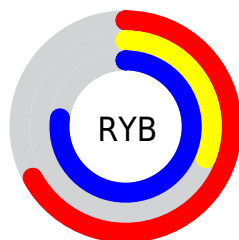
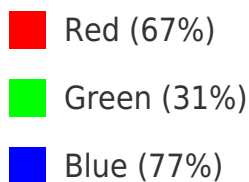
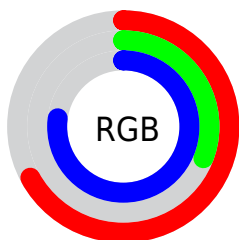
Format	Color
RYB	172, 79, 196
Decimal	11292612
CIELab	49.92, 55.45, -44.85
CIELCh	50, 71.323, 321.031
Yxy	18.3481, 0.2910, 0.1793
Android (android.graphics.Color)	4289482692 (0xFFAC4FC4)
YUV	120.1450, 37.3965, 45.4768
Hunter-Lab	42.8347, 49.1089, -45.0328

Details

The XYZ color **29.7730, 18.3481, 54.1969** is a dark color, and the websafe version is hex **CC66CC**. The color can be described as middle muted purple. A complement of this color would be **26.7453, 42.9284, 14.2742**, and the grayscale version is **17.7798, 18.7057, 20.3705**.

A 20% lighter version of the original color is **58.7503, 40.6899, 97.6860**, and **12.3531, 6.2023, 26.1373** is the 20% darker color. If you saturate the color by 10%, you get **27.6931, 15.4779, 53.7528**, and if you desaturate by 10%, it is **32.2977, 22.0670, 54.7819**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7730, 18.3481, 54.1969 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 29.7730, 18.3481, 54.1969 by changing the saturation by 10% instead.

 29.7730, 18.3481,
54.1969


 29.7730, 18.3481,
54.1969


292.7738,
242.8259, 420.0562

 19.8136, 11.2002,
38.3649


 58.6921, 40.6296,
97.8226


 12.3671, 6.2017,
25.9620

 78.3825, 56.5320,
126.4533


 7.0682, 2.9681,
16.5697


 102.0472, 76.1213,
160.1874

 3.5515, 1.1151,
9.7695

 130.0517, 99.7819,
199.4433

 1.4517, 0.0000,
5.1428

 162.7612,
127.8983, 244.6396

 0.2926, 0.0000,
2.2711


200.5412,


 0.0000, 0.0000,


160.8549, 296.1948


0.7149

243.7569,
199.0359, 354.5275


 0.0000, 0.0000,
0.0000

 29.7730, 18.3481,
54.1969


 29.7730, 18.3481,
54.1969


 27.6931, 15.4779,
53.7528


 32.2977, 22.0670,
54.7819


 26.0178, 13.3783,
53.4358


 35.2986, 26.6989,
55.5178

 24.7029, 11.9605,
53.2315


 38.8065, 32.3044,
56.4149


 23.6652, 11.0586,
53.1121


 42.8489, 38.9383,
57.4823


 23.6347, 11.0331,
53.1088

 47.4513, 46.6514,
58.7285

 52.6376, 55.4909,
60.1614

 58.4301, 65.5012,
61.7883

 64.8501, 76.7244,
63.6162

 71.7885, 88.9424,
65.6088

Harmonies

Analogous

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



22.5900, 18.3481, 79.6657



29.7730, 18.3481, 54.1969



33.8948, 18.3481, 26.4340

Triad

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



29.7730, 18.3481, 54.1969



19.5679, 18.3481, 1.0971



7.8287, 18.3481, 36.7449

Complementary

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



29.7730, 18.3481, 54.1969



26.7453, 42.9284, 14.2742

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.



7.4174, 18.3481, 14.6693



29.7730, 18.3481, 54.1969



13.1379, 18.3481, 1.4200

Square

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



29.7730, 18.3481, 54.1969



27.0714, 18.3481, 2.6824



9.0915, 18.3481, 4.4311



10.4151, 18.3481, 65.8116

Rectangle

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



29.7730, 18.3481, 54.1969



33.7671, 18.3481, 13.6105



9.0915, 18.3481, 4.4311



7.4639, 18.3481, 28.0739

Sweetspot

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



29.7737, 18.3489, 54.1973



78.7356, 72.3878, 104.4302



18.1745, 15.6198, 54.2819



16.3582, 14.6736, 22.2201



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.



29.7737, 18.3489, 54.1973



49.0450, 26.5813, 97.1535



32.1589, 19.9673, 36.7397



10.2884, 10.1399, 12.6998



15.2587, 7.1266, 34.1280



0.7116, 0.3349, 1.4770

Inverse Universe

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



28.0096, 18.3076, 14.8901



46.2824, 26.9230, 17.2425



25.8979, 42.3158, 22.1767



10.1558, 10.1109, 10.9111



14.9014, 7.6503, 2.1267



0.6693, 0.3407, 0.2258

Previews

White Background



This preview shows how the XYZ color 29.7730, 18.3481, 54.1969 looks on a white background.

Color Contrast Check

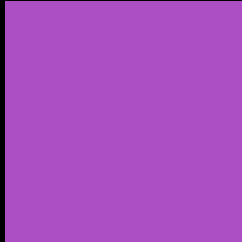
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7730, 18.3481, 54.1969 looks on a black 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

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

XYZ 29.7730, 18.3481, 54.1969

Background



This preview shows how black text looks on a background with the XYZ color 29.7730, 18.3481, 54.1969.



This preview shows how white text looks on a background with the XYZ color 29.7730, 18.3481,

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

29.7730, 18.3481, 54.1969

Protanopia

21.8699, 18.7091, 78.0599

Deuteranopia

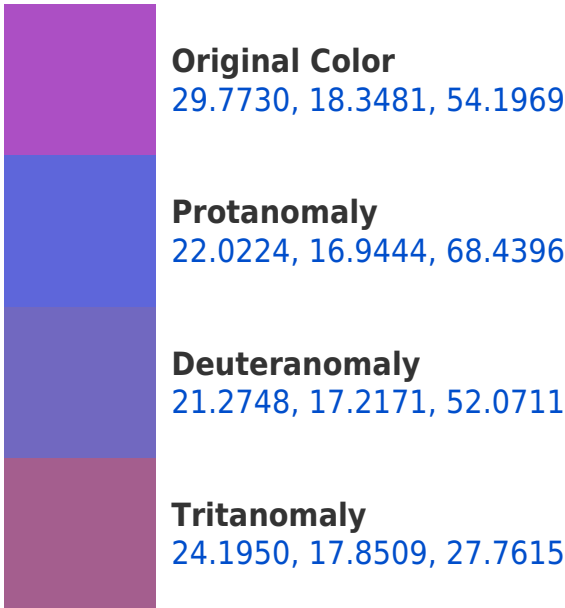
19.0904, 18.5732, 50.7229



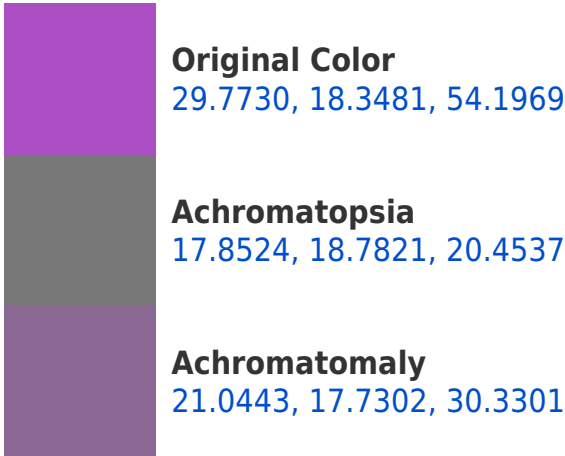
Tritanopia

22.2167, 18.3218, 17.4044

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7730, 18.3481, 54.1969 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(172, 79, 196) looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 196)  
}
```

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(172, 79, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.7730, 18.3481, 54.1969 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(172, 79, 196) }
```


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

```
.border{ border-color:rgb(172, 79, 196) }
```

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

Here you see how a box with a 4 pixel rgb(172, 79, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 196);  
box-shadow:4px 4px 4px 4px rgb(172, 79,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7730, 18.3481, 54.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 196) }
```

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

```
.background{ background-color: rgb(172, 79,  
196) }
```

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