

Converting Colors

XYZ(29.4172, 17.6539, 63.9132)

Have a look what the booklet for
XYZ(29.4172, 17.6539, 63.9132)
contains.

XYZ(29.3684, 17.6037, 64.1373)	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(29.3684, 17.6037,
64.1373)**

Conversions

Conversions Part 1

Format	Color
Hex	A24CD4
RGB	162, 76, 212
RGB Percent	64%, 30%, 83%
CMY	0.3647, 0.7020, 0.1686
CMYK	0.24, 0.64, 0.00, 0.17
HSL	278°, 61%, 56%
HSV	278°, 64%, 83%
XYZ	29.3684, 17.6037, 64.1373
YIQ	117.2180, 7.6000, 60.5280

Conversions

Conversions Part 2

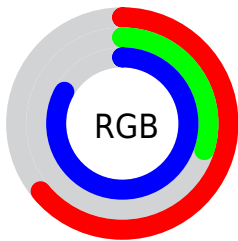
Format	Color
RYB	162, 76, 212
Decimal	10636500
CIELab	49.01, 57.80, -55.56
CIELCh	49, 80.178, 316.131
Yxy	17.6037, 0.2643, 0.1584
Android (android.graphics.Color)	4288826580 (0xFFA24CD4)
YUV	117.2180, 46.7275, 39.2738
Hunter-Lab	41.9568, 51.5200, -61.2641

Details

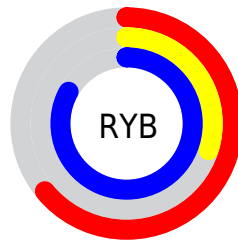
The XYZ color **29.3684, 17.6037, 64.1373** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **33.4524, 52.0447, 15.1204**, and the grayscale version is **16.8348, 17.7115, 19.2878**.

A 20% lighter version of the original color is **55.5478, 38.4009, 99.0922**, and **12.1299, 5.8351, 31.9395** is the 20% darker color. If you saturate the color by 10%, you get **26.6067, 14.3577, 63.6566**, and if you desaturate by 10%, it is **32.7108, 21.8638, 64.7837**.

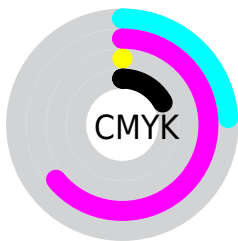
Distribution



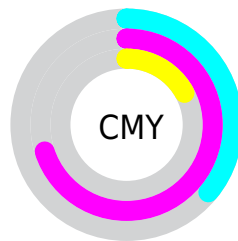
- Red (64%)
- Green (30%)
- Blue (83%)



- Red (64%)
- Yellow (30%)
- Blue (83%)



- Cyan (24%)
- Magenta (64%)
- Yellow (0%)
- Black (17%)



- Cyan (36%)
- Magenta (70%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3684, 17.6037, 64.1373 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 29.3684, 17.6037, 64.1373 by changing the saturation by 10% instead.

■ 29.3684, 17.6037,
64.1373

■ 29.3684, 17.6037,
64.1373

290.9122,
238.6277, 457.9063

■ 19.5054, 10.6658,
46.3150

■ 58.0554, 39.3609,
112.4100

■ 12.1422, 5.8426,
32.1440

■ 77.6101, 54.9490,
143.6975

■ 6.9135, 2.7496,
21.2058

■ 101.1260, 74.1893,
180.3105

■ 3.4539, 1.0025,
13.0818

■ 128.9686, 97.4662,
222.6675

■ 1.3981, 0.0000,
7.3535

■ 161.5031,
125.1641, 271.1870

■ 0.2549, 0.0000,
3.6024

199.0950,

■ 0.0000, 0.0000,

157.6674, 326.2876

1.4098

242.1096,
195.3605, 388.3879

■ 0.0000, 0.0000,
0.1494

■ 0.0000, 0.0000,
0.0000

■ 29.3684, 17.6037,
64.1373

■ 29.3684, 17.6037,
64.1373

■ 26.6067, 14.3577,
63.6566

■ 32.7108, 21.8638,
64.7837

■ 24.3724, 12.0240,
63.3239

■ 36.6759, 27.2220,
65.6090

■ 22.6044, 10.4827,
63.1196

■ 41.3043, 33.7559,
66.6262

■ 21.7250, 9.8269,
63.0394

■ 46.6319, 41.5352,
67.8470

■ 52.6922, 50.6242,
69.2819

■ 59.5159, 61.0824,
70.9409

■ 67.1324, 72.9660,
72.8332

■ 75.5691, 86.3276,
74.9676

■ 80.9705, 93.4540,
76.0585

Harmonies

Analogous

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



21.0477, 17.6037, 92.0494



29.3684, 17.6037, 64.1373



34.9070, 17.6037, 30.8138

Triad

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



29.3684, 17.6037, 64.1373



20.4159, 17.6037, 0.4658



6.3799, 17.6037, 33.0170

Complementary

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



29.3684, 17.6037, 64.1373



33.4524, 52.0447, 15.1204

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.



6.3030, 17.6037, 10.9020



29.3684, 17.6037, 64.1373



13.0503, 17.6037, 0.5231

Square

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



29.3684, 17.6037, 64.1373



28.7888, 17.6037, 2.1774



8.3667, 17.6037, 2.4581



8.6219, 17.6037, 66.7407

Rectangle

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



29.3684, 17.6037, 64.1373



35.4594, 17.6037, 15.1014



8.3667, 17.6037, 2.4581



6.1291, 17.6037, 23.9047

Sweetspot

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



29.3692, 17.6044, 64.1377



75.2418, 69.6648, 104.0887



22.6012, 21.7637, 65.2972



15.5459, 14.0760, 22.1475



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.



29.3692, 17.6044, 64.1377



39.0804, 20.3566, 96.4772



39.7152, 23.1580, 54.6813



12.4898, 12.3939, 15.6715



13.5255, 6.1252, 38.9226



0.9055, 0.4157, 2.3518

Inverse Universe

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



33.5020, 20.6727, 21.9633



46.8716, 25.9863, 23.9598



28.4503, 49.3942, 18.1298



12.6101, 12.4955, 13.8871



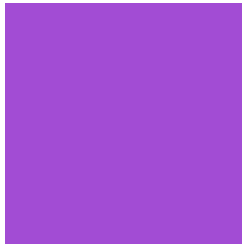
17.6538, 8.9979, 5.4812



1.1041, 0.5584, 0.5373

Previews

White Background



This preview shows how the XYZ color 29.3684, 17.6037, 64.1373 looks on a white background.

Color Contrast Check

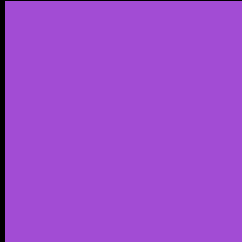
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3684, 17.6037, 64.1373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

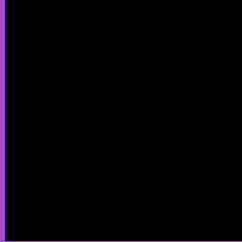
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3684, 17.6037, 64.1373

Background



This preview shows how black text looks on a background with the XYZ color 29.3684, 17.6037, 64.1373.



This preview shows how white text looks on a background with the XYZ color 29.3684, 17.6037,

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

29.3684, 17.6037, 64.1373

Protanopia

21.3742, 17.8203, 83.9745

Deuteranopia

18.4162, 17.8520, 59.6019



Tritanopia

20.0454, 17.6340, 18.2668

Trichromacy



Original Color

29.3684, 17.6037, 64.1373



Protanomaly

20.4083, 15.5106, 76.0470



Deuteranomaly

20.0432, 16.2317, 61.1081



Tritanomaly

22.5461, 17.0618, 30.9591

Monochromacy



Original Color

29.3684, 17.6037, 64.1373



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.0917, 16.7563, 31.8811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3684, 17.6037, 64.1373 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(162, 76, 212)` looks like.

```
.text, #text, p{  
    color:rgb(162, 76, 212)  
}
```

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(162, 76, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 76, 212) }
```

Border

The CSS property to change the border of an element to XYZ 29.3684, 17.6037, 64.1373 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(162, 76, 212) }
```


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

```
.border{ border-color:rgb(162, 76, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 76, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 76, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 76, 212);  
box-shadow:4px 4px 4px 4px rgb(162, 76,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3684, 17.6037, 64.1373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 76, 212) }
```

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

```
.background{ background-color: rgb(162, 76,  
212) }
```

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