

Converting Colors

XYZ(29.0265, 19.2611, 42.2506)

Have a look what the booklet for
XYZ(29.0265, 19.2611, 42.2506)
contains.

XYZ(29.0342, 19.2655, 42.2327)	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(29.0342, 19.2655,
42.2327)**

Conversions

Conversions Part 1

Format	Color
Hex	B058AE
RGB	176, 88, 174
RGB Percent	69%, 35%, 68%
CMY	0.3098, 0.6549, 0.3176
CMYK	0.00, 0.50, 0.01, 0.31
HSL	301°, 36%, 52%
HSV	301°, 50%, 69%
XYZ	29.0342, 19.2655, 42.2327
YIQ	124.1160, 24.8420, 45.4020

Conversions

Conversions Part 2

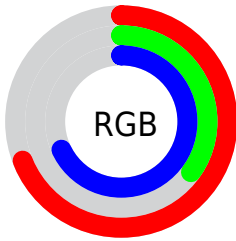
Format	Color
R _Y B	176, 88, 174
Decimal	11557038
CIE Lab	51.00, 47.96, -30.35
CIE LCh	51, 56.756, 327.678
Yxy	19.2655, 0.3207, 0.2128
Android (android.graphics.Color)	4289747118 (0xFFB058AE)
YUV	124.1160, 24.5928, 45.5023
Hunter-Lab	43.8925, 41.2632, -26.3232

Details

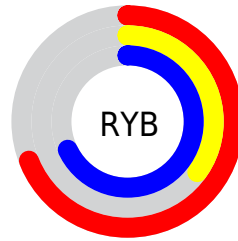
The XYZ color **29.0342, 19.2655, 42.2327** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **21.3961, 33.8643, 15.0827**, and the grayscale version is **19.1122, 20.1076, 21.8971**.

A 20% lighter version of the original color is **57.4121, 42.0866, 79.9605**, and **11.9374, 6.6475, 18.7431** is the 20% darker color. If you saturate the color by 10%, you get **27.7214, 16.7017, 41.6031**, and if you desaturate by 10%, it is **30.6972, 22.5286, 42.9800**.

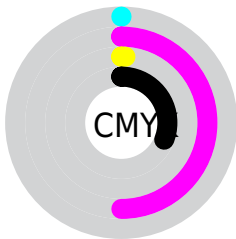
Distribution



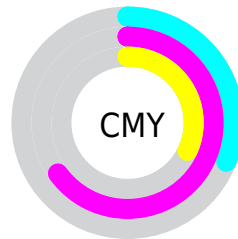
- Red (69%)
- Green (35%)
- Blue (68%)



- Red (69%)
- Yellow (35%)
- Blue (68%)



- Cyan (0%)
- Magenta (50%)
- Yellow (1%)
- Black (31%)



- Cyan (31%)
- Magenta (65%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0342, 19.2655, 42.2327 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 29.0342, 19.2655, 42.2327 by changing the saturation by 10% instead.

■ 29.0342, 19.2655,
42.2327

■ 29.0342, 19.2655,
42.2327

289.3676,
247.9106, 371.2747

■ 19.2511, 11.8623,
28.9566

■ 57.5286, 42.1823,
79.8256

■ 11.9569, 6.6500,
18.8027

■ 76.9706, 58.4646,
104.9794

■ 6.7864, 3.2442,
11.3524

■ 100.3630, 78.4754,
134.9297

■ 3.3740, 1.2605,
6.1873

■ 128.0711,
102.5991, 170.0947

■ 1.3545, 0.1103,
2.8887

160.4602,
131.2200, 210.8933

■ 0.2234, 0.0000,
1.0381

197.8958,

■ 0.0000, 0.0000,

164.7227, 257.7437

0.0000

240.7431,
203.4914, 311.0647

■ 29.0342, 19.2655,
42.2327

■ 29.0342, 19.2655,
42.2327

■ 27.7214, 16.7017,
41.6031

■ 30.6972, 22.5286,
42.9800

■ 26.7312, 14.7835,
41.0814

■ 32.7314, 26.5342,
43.8514

■ 26.0353, 13.4537,
40.6583

■ 35.1585, 31.3254,
44.8544

■ 25.5996, 12.6441,
40.3226

■ 37.9978, 36.9410,
45.9953

■ 25.3512, 12.2089,
40.0499

■ 41.2676, 43.4174,
47.2804

■ 25.3511, 12.2088,
40.0498

■ 44.9850, 50.7886,
48.7151

■ 49.1660, 59.0871,
50.3051

■ 53.8261, 68.3434,
52.0552

■ 58.9799, 78.5869,
53.9706

Harmonies

Analogous

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



23.7981, 19.2655, 62.0017



29.0342, 19.2655, 42.2327



31.3561, 19.2655, 22.2546

Triad

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



29.0342, 19.2655, 42.2327



18.7521, 19.2655, 2.7673



10.3177, 19.2655, 38.8670

Complementary

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



29.0342, 19.2655, 42.2327



21.3961, 33.8643, 15.0827

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.



9.5034, 19.2655, 19.7490



29.0342, 19.2655, 42.2327



13.7401, 19.2655, 3.7811

Square

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



29.0342, 19.2655, 42.2327



24.7117, 19.2655, 4.1950



10.6190, 19.2655, 8.4074



13.1240, 19.2655, 59.4575

Rectangle

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



29.0342, 19.2655, 42.2327



30.6444, 19.2655, 12.9185



10.6190, 19.2655, 8.4074



9.8306, 19.2655, 31.8372

Sweetspot

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



29.0349, 19.2664, 42.2331



66.1082, 61.4456, 82.2978



15.4918, 12.2619, 42.6253



14.1018, 12.8715, 17.7446



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.0349, 19.2664, 42.2331



50.0609, 29.8713, 75.3445



25.4602, 17.8365, 23.4091



8.8415, 8.6433, 10.6639



18.6034, 8.9589, 29.4011



0.5879, 0.2829, 0.9388

Inverse Universe

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



29.0349, 19.2664, 42.2331



50.0609, 29.8713, 75.3445



23.8166, 34.8325, 27.8287



8.8415, 8.6433, 10.6639



18.6034, 8.9589, 29.4011



0.5879, 0.2829, 0.9388

Previews

White Background



This preview shows how the XYZ color 29.0342, 19.2655, 42.2327 looks on a white background.

Color Contrast Check

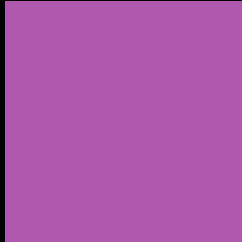
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.0342, 19.2655, 42.2327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

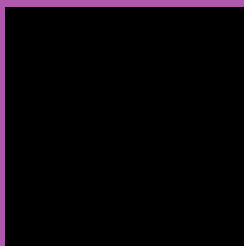
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0342, 19.2655, 42.2327

Background



This preview shows how black text looks on a background with the XYZ color 29.0342, 19.2655, 42.2327.



This preview shows how white text looks on a background with the XYZ color 29.0342, 19.2655,

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

29.0342, 19.2655, 42.2327

Protanopia

21.1420, 19.4876, 57.2908

Deuteranopia

19.8478, 19.3859, 39.7416



Tritanopia

23.8679, 19.1730, 17.4817

Trichromacy



Original Color

29.0342, 19.2655, 42.2327

Protanomaly

22.6517, 18.5517, 51.6772

Deuteranomaly

22.1340, 18.5329, 40.4408

Tritanomaly

25.4653, 19.1145, 24.9016

Monochromacy



Original Color

29.0342, 19.2655, 42.2327

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.8946, 19.1615, 28.1358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0342, 19.2655, 42.2327 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(176, 88, 174)` looks like.

```
.text, #text, p{  
    color:rgb(176, 88, 174)  
}
```

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(176, 88, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 88, 174) }
```

Border

The CSS property to change the border of an element to XYZ 29.0342, 19.2655, 42.2327 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(176, 88, 174) }
```


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

```
.border{ border-color:rgb(176, 88, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 88, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 88, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 88, 174);  
box-shadow:4px 4px 4px 4px rgb(176, 88,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0342, 19.2655, 42.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 88, 174) }
```

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

```
.background{ background-color: rgb(176, 88,  
174) }
```

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