

Converting Colors

XYZ(29.2409, 18.0166, 35.6880)

Have a look what the booklet for
XYZ(29.2409, 18.0166, 35.6880)
contains.

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Color

**XYZ(29.1988, 18.0445,
35.6622)**

Conversions

Conversions Part 1

Format	Color
Hex	BA4BA1
RGB	186, 75, 161
RGB Percent	73%, 29%, 63%
CMY	0.2706, 0.7059, 0.3686
CMYK	0.00, 0.60, 0.13, 0.27
HSL	314°, 45%, 51%
HSV	314°, 60%, 73%
XYZ	29.1988, 18.0445, 35.6622
YIQ	117.9930, 38.5500, 50.2780

Conversions

Conversions Part 2

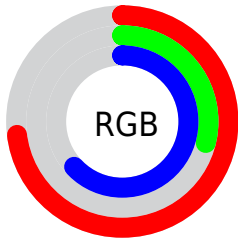
Format	Color
RYB	186, 75, 161
Decimal	12209057
CIELab	49.55, 54.83, -24.85
CIELCh	50, 60.198, 335.624
Yxy	18.0445, 0.3522, 0.2177
Android (android.graphics.Color)	4290399137 (0xFFBA4BA1)
YUV	117.9930, 21.2025, 59.6421
Hunter-Lab	42.4788, 48.3582, -20.0405

Details

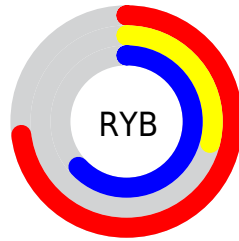
The XYZ color **29.1988, 18.0445, 35.6622** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **22.7617, 37.5344, 18.1033**, and the grayscale version is **17.1458, 18.0387, 19.6442**.

A 20% lighter version of the original color is **57.6855, 40.1562, 69.6763**, and **12.0748, 6.0670, 15.0026** is the 20% darker color. If you saturate the color by 10%, you get **27.7535, 15.7349, 33.3881**, and if you desaturate by 10%, it is **31.0264, 21.0982, 38.1251**.

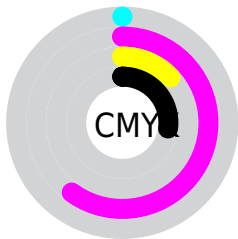
Distribution



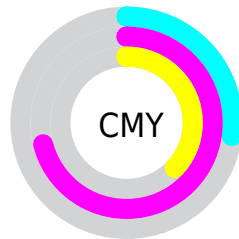
- Red (73%)
- Green (29%)
- Blue (63%)



- Red (73%)
- Yellow (29%)
- Blue (63%)



- Cyan (0%)
- Magenta (60%)
- Yellow (13%)
- Black (27%)



- Cyan (27%)
- Magenta (71%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1988, 18.0445, 35.6622 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 29.1988, 18.0445, 35.6622 by changing the saturation by 10% instead.

■ 29.1988, 18.0445,
35.6622

■ 29.1988, 18.0445,
35.6622

290.1291,
241.1218, 342.4743

■ 19.3763, 10.9819,
23.8858

■ 57.7882, 40.1131,
69.6735

■ 12.0481, 6.0547,
15.0375

■ 77.2857, 55.8880,
92.7455

■ 6.8489, 2.8784,
8.6988

■ 100.7391, 75.3358,
120.4198

■ 3.4133, 1.0686,
4.4511

■ 128.5135, 98.8408,
153.1149

■ 1.3759, 0.0000,
1.8760

■ 160.9743,
126.7875, 191.2494

■ 0.2389, 0.0000,
0.4774

198.4870,

■ 0.0000, 0.0000,

159.5603, 235.2417

0.0000

241.4168,
197.5436, 285.5105

■ 29.1988, 18.0445,
35.6622

■ 29.1988, 18.0445,
35.6622

■ 27.7535, 15.7349,
33.3881

■ 31.0264, 21.0982,
38.1251

■ 26.6553, 14.1004,
31.2902

■ 33.2639, 24.9519,
40.7861

■ 25.8658, 13.0638,
29.3549

■ 35.9381, 29.6589,
43.6549

■ 25.3090, 12.4734,
27.5566

■ 39.0733, 35.2675,
46.7402

■ 25.2920, 12.4561,
27.4994

■ 42.6917, 41.8220,
50.0499

■ 46.8143, 49.3640,
53.5916

■ 51.4606, 57.9326,
57.3724

■ 56.6492, 67.5648,
61.3988

■ 62.3977, 78.2955,
65.6775

Harmonies

Analogous

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



24.3609, 18.0445, 57.8107



29.1988, 18.0445, 35.6622



30.5368, 18.0445, 16.7286

Triad

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



29.1988, 18.0445, 35.6622



16.0988, 18.0445, 2.0389



9.6941, 18.0445, 44.1935

Complementary

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



29.1988, 18.0445, 35.6622



22.7617, 37.5344, 18.1033

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.



8.3910, 18.0445, 22.8873



29.1988, 18.0445, 35.6622



11.5253, 18.0445, 3.5821

Square

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



29.1988, 18.0445, 35.6622



22.0847, 18.0445, 2.6812



8.9781, 18.0445, 9.3296



13.0125, 18.0445, 64.3610

Rectangle

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



29.1988, 18.0445, 35.6622



29.0552, 18.0445, 8.9576



8.9781, 18.0445, 9.3296



9.0438, 18.0445, 36.5920

Sweetspot

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



29.1994, 18.0454, 35.6626



71.6721, 65.4558, 85.5202



16.5311, 11.2339, 47.7518



15.3896, 13.7053, 18.4596



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.



29.1994, 18.0454, 35.6626



49.5359, 27.3453, 59.1448



25.3916, 16.5222, 15.6107



9.2920, 9.1272, 10.8852



17.0448, 8.3917, 18.6548



0.6225, 0.3045, 0.7715

Inverse Universe

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



29.1994, 18.0454, 35.6626



49.5359, 27.3453, 59.1448



26.3400, 38.9657, 36.9464



9.2920, 9.1272, 10.8852



17.0448, 8.3917, 18.6548



0.6225, 0.3045, 0.7715

Previews

White Background



This preview shows how the XYZ color 29.1988, 18.0445, 35.6622 looks on a white background.

Color Contrast Check

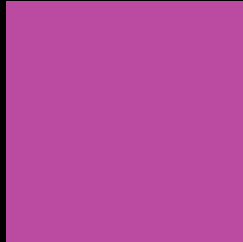
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1988, 18.0445, 35.6622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

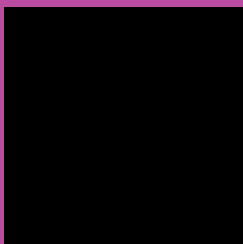
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.1988, 18.0445, 35.6622

Background



This preview shows how black text looks on a background with the XYZ color 29.1988, 18.0445, 35.6622.



This preview shows how white text looks on a background with the XYZ color 29.1988, 18.0445,

35.6622.

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

29.1988, 18.0445, 35.6622

Protanopia

19.9135, 18.4121, 53.5433

Deuteranopia

18.5085, 18.1389, 33.0975



Tritanopia

24.7681, 18.0673, 13.7372

Trichromacy



Original Color

29.1988, 18.0445, 35.6622



Protanomaly

21.2656, 16.8957, 46.3964



Deuteranomaly

21.2207, 17.1450, 34.0891



Tritanomaly

25.9911, 17.8226, 20.1594

Monochromacy



Original Color

29.1988, 18.0445, 35.6622



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.3821, 17.0636, 24.7736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1988, 18.0445, 35.6622 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(186, 75, 161)` looks like.

```
.text, #text, p{  
    color:rgb(186, 75, 161)  
}
```

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(186, 75, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 75, 161) }
```

Border

The CSS property to change the border of an element to XYZ 29.1988, 18.0445, 35.6622 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(186, 75, 161) }
```


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

```
.border{ border-color:rgb(186, 75, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 75, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 75, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 75, 161);  
box-shadow:4px 4px 4px 4px rgb(186, 75,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1988, 18.0445, 35.6622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 75, 161) }
```

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

```
.background{ background-color: rgb(186, 75,  
161) }
```

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](#).

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