

Converting Colors

XYZ(29.7309, 18.4187, 37.4599)

Have a look what the booklet for
XYZ(29.7309, 18.4187, 37.4599)
contains.

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Color

**XYZ(29.6257, 18.3246,
37.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	BA4CA5
RGB	186, 76, 165
RGB Percent	73%, 30%, 65%
CMY	0.2706, 0.7019, 0.3529
CMYK	0.00, 0.59, 0.11, 0.27
HSL	311°, 44%, 51%
HSV	311°, 59%, 73%
XYZ	29.6257, 18.3246, 37.5729
YIQ	119.0360, 36.9910, 50.9990

Conversions

Conversions Part 2

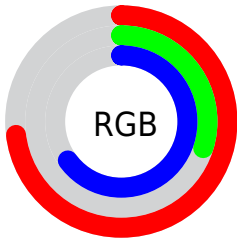
Format	Color
R_{YB}	186, 76, 165
Decimal	12209317
CIE _{Lab}	49.89, 55.01, -26.68
CIE _{LCh}	50, 61.142, 334.125
Yxy	18.3246, 0.3464, 0.2143
Android (android.graphics.Color)	4290399397 (0xFFBA4CA5)
YUV	119.0360, 22.6603, 58.7274
Hunter-Lab	42.8072, 48.6222, -22.0751

Details

The XYZ color **29.6257, 18.3246, 37.5729** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.6980, 37.5181, 17.3561**, and the grayscale version is **17.4691, 18.3788, 20.0146**.

A 20% lighter version of the original color is **58.3428, 40.6330, 72.4781**, and **12.3180, 6.2010, 16.1705** is the 20% darker color. If you saturate the color by 10%, you get **28.2059, 15.9948, 35.5271**, and if you desaturate by 10%, it is **31.4261, 21.4005, 39.7902**.

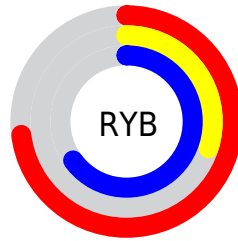
Distribution



Red (73%)

Green (30%)

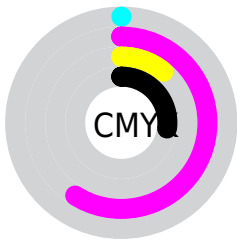
Blue (65%)



Red (73%)

Yellow (30%)

Blue (65%)

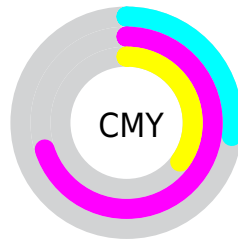


Cyan (0%)

Magenta (59%)

Yellow (11%)

Black (27%)



Cyan (27%)


Magenta (70%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6257, 18.3246, 37.5729 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 29.6257, 18.3246, 37.5729 by changing the saturation by 10% instead.


 29.6257, 18.3246,
37.5729


 29.6257, 18.3246,
37.5729

292.0971,
242.6943, 351.0274


 19.7013, 11.1833,
25.3521


 58.4604, 40.5897,
72.6492

 12.2851, 6.1903,
16.1182


 78.1015, 56.4822,
96.3418


 7.0117, 2.9611,
9.4526


 101.7122, 76.0606,
124.6953

 3.5158, 1.1115,
4.9367

 129.6578, 99.7093,
158.1285

 1.4321, 0.0000,
2.1521

 162.3038,
127.8126, 197.0597

 0.2789, 0.0000,
0.6465

200.0154,

 0.0000, 0.0000,

160.7549, 241.9076

0.0000

243.1580,
198.9207, 293.0906

■ 29.6257, 18.3246,
37.5729

■ 29.6257, 18.3246,
37.5729

■ 28.2059, 15.9948,
35.5271

■ 31.4261, 21.4005,
39.7902

■ 27.1319, 14.3426,
33.6403

■ 33.6343, 25.2779,
42.1879

■ 26.3654, 13.2915,
31.8996

■ 36.2771, 30.0100,
44.7755

■ 25.8367, 12.7018,
30.2813

■ 39.3786, 35.6446,
47.5613

■ 25.7945, 12.6570,
30.1448

■ 42.9609, 42.2261,
50.5530

■ 47.0447, 49.7958,
53.7579

■ 51.6497, 58.3926,
57.1828

■ 56.7942, 68.0534,
60.8342

■ 62.4958, 78.8132,
64.7183

Harmonies

Analogous

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



24.5208, 18.3246, 60.2694



29.6257, 18.3246, 37.5729



31.2188, 18.3246, 17.7233

Triad

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



29.6257, 18.3246, 37.5729



16.6202, 18.3246, 1.9824



9.6658, 18.3246, 44.0329

Complementary

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



29.6257, 18.3246, 37.5729



22.6980, 37.5181, 17.3561

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.



8.4338, 18.3246, 22.3609



29.6257, 18.3246, 37.5729



11.8377, 18.3246, 3.4007

Square

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



29.6257, 18.3246, 37.5729



22.8019, 18.3246, 2.7369



9.1295, 18.3246, 8.9366



12.9546, 18.3246, 65.2433

Rectangle

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



29.6257, 18.3246, 37.5729



29.8330, 18.3246, 9.4687



9.1295, 18.3246, 8.9366



9.0355, 18.3246, 36.2299

Sweetspot

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



29.6263, 18.3255, 37.5733



71.8862, 65.5414, 86.6473



16.2897, 11.2109, 47.7602



15.4438, 13.7270, 18.7451



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.



29.6263, 18.3255, 37.5733



50.4696, 27.9574, 63.3258



25.6950, 16.7530, 16.8714



9.3054, 9.1325, 10.9557



17.3797, 8.5257, 20.4184



0.6319, 0.3082, 0.8209

Inverse Universe

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



29.6263, 18.3255, 37.5733



50.4696, 27.9574, 63.3258



26.1397, 38.8948, 35.4799



9.3054, 9.1325, 10.9557



17.3797, 8.5257, 20.4184



0.6319, 0.3082, 0.8209

Previews

White Background



This preview shows how the XYZ color 29.6257, 18.3246, 37.5729 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 29.6257, 18.3246, 37.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

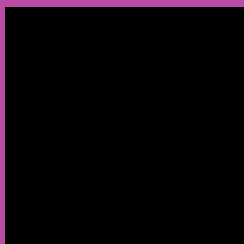
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6257, 18.3246, 37.5729

Background



This preview shows how black text looks on a background with the XYZ color 29.6257, 18.3246, 37.5729.



This preview shows how white text looks on a background with the XYZ color 29.6257, 18.3246,

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

29.6257, 18.3246, 37.5729

Protanopia

20.3921, 18.7782, 55.9759

Deuteranopia

18.8395, 18.4424, 34.9145



Tritanopia

24.7569, 18.3133, 14.0344

Trichromacy



Original Color

29.6257, 18.3246, 37.5729



Protanomaly

21.6403, 17.1855, 48.6309



Deuteranomaly

21.5009, 17.3943, 35.9424



Tritanomaly

26.2747, 18.1915, 20.8654

Monochromacy



Original Color

29.6257, 18.3246, 37.5729



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.6219, 17.3177, 25.5483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6257, 18.3246, 37.5729 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, 76, 165)` looks like.

```
.text, #text, p{  
    color:rgb(186, 76, 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(186, 76, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 76, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.6257, 18.3246, 37.5729 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, 76, 165) }
```


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

```
.border{ border-color:rgb(186, 76, 165) }
```

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

Here you see how a box with a 4 pixel rgb(186, 76, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 76, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 76, 165);  
box-shadow:4px 4px 4px 4px rgb(186, 76,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6257, 18.3246, 37.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 76, 165) }
```

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

```
.background{ background-color: rgb(186, 76,  
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](#).

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