

Converting Colors

XYZ(34.1451, 18.7432, 65.4758)

Have a look what the booklet for
XYZ(34.1451, 18.7432, 65.4758)
contains.

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Color

**XYZ(34.1099, 18.7394,
65.4376)**

Conversions

Conversions Part 1

Format	Color
Hex	BA3ED6
RGB	186, 62, 214
RGB Percent	73%, 24%, 84%
CMY	0.2706, 0.7568, 0.1608
CMYK	0.13, 0.71, 0.00, 0.16
HSL	289°, 65%, 54%
HSV	289°, 71%, 84%
XYZ	34.1099, 18.7394, 65.4376
YIQ	116.4040, 25.1120, 73.5600

Conversions

Conversions Part 2

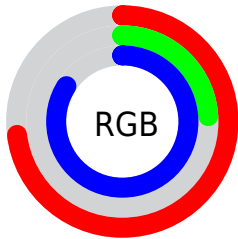
Format	Color
RYB	186, 62, 214
Decimal	12205782
CIELab	50.38, 69.19, -54.33
CIELCh	50, 87.974, 321.862
Yxy	18.7394, 0.2884, 0.1584
Android (android.graphics.Color)	4290395862 (0xFFBA3ED6)
YUV	116.4040, 48.1148, 61.0357
Hunter-Lab	43.2890, 64.8946, -59.3231

Details

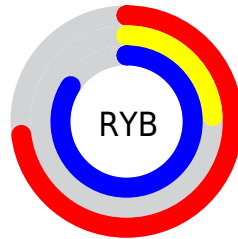
The XYZ color **34.1099, 18.7394, 65.4376** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **29.1331, 50.6151, 12.7924**, and the grayscale version is **16.5768, 17.4401, 18.9923**.

A 20% lighter version of the original color is **62.4227, 40.0654, 99.0511**, and **15.0736, 7.0578, 32.9156** is the 20% darker color. If you saturate the color by 10%, you get **32.2225, 16.3661, 65.0793**, and if you desaturate by 10%, it is **36.4832, 22.0437, 65.9506**.

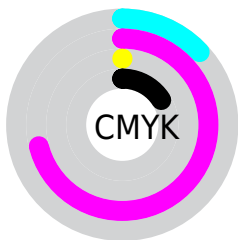
Distribution



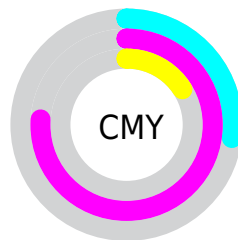
- Red (73%)
- Green (24%)
- Blue (84%)



- Red (73%)
- Yellow (24%)
- Blue (84%)



- Cyan (13%)
- Magenta (71%)
- Yellow (0%)
- Black (16%)





- Cyan (27%)
- Magenta (76%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1099, 18.7394, 65.4376 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 34.1099, 18.7394, 65.4376 by changing the saturation by 10% instead.


 34.1099, 18.7394,
65.4376

 34.1099, 18.7394,
65.4376


312.1991,
245.0063, 462.7120

 23.1413, 11.4821,
47.3624


 65.4477, 41.2933,
114.2981


 14.8192, 6.3921,
32.9658

 86.5476, 57.3587,
145.9204


 8.7781, 3.0849,
21.8294


 111.7554, 77.1289,
182.8955

 4.6526, 1.1762,
13.5345

 141.4363,
100.9884, 225.6420

 2.0776, 0.0422,
7.6626

 175.9558,
129.3214, 274.5783

 0.6770, 0.0000,
3.7951

215.6792,

 0.0000, 0.0000,

162.5125, 330.1231

1.5136

260.9719,
200.9460, 392.6948

■ 0.0000, 0.0000,
0.2281

■ 0.0000, 0.0000,
0.0000

■ 34.1099, 18.7394,
65.4376

■ 34.1099, 18.7394,
65.4376

■ 32.2225, 16.3661,
65.0793

■ 36.4832, 22.0437,
65.9506

■ 30.7611, 14.8067,
64.8553

■ 39.3883, 26.3728,
66.6331

■ 29.7227, 13.9205,
64.7390

■ 42.8681, 31.8117,
67.4995

■ 46.9607, 38.4357,
68.5624

■ 51.7003, 46.3136,
69.8331

■ 57.1190, 55.5087,
71.3224

■ 63.2463, 66.0802,
73.0399

■ 70.1102, 78.0835,
74.9951

■ 77.7371, 91.5712,
77.1964

Harmonies

Analogous

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



24.6560, 18.7394, 102.6324



34.1099, 18.7394, 65.4376



39.5273, 18.7394, 27.8159

Triad

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



34.1099, 18.7394, 65.4376



20.2397, 18.7394, 0.0000



6.5007, 18.7394, 43.4179

Complementary

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



34.1099, 18.7394, 65.4376



29.1331, 50.6151, 12.7924

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.



5.9955, 18.7394, 14.4417



34.1099, 18.7394, 65.4376



12.3673, 18.7394, 0.3647

Square

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



34.1099, 18.7394, 65.4376



30.0057, 18.7394, 1.2616



7.7624, 18.7394, 2.9576



9.4698, 18.7394, 84.2938

Rectangle

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



34.1099, 18.7394, 65.4376



39.2128, 18.7394, 12.1802



7.7624, 18.7394, 2.9576



6.0857, 18.7394, 31.6841

Sweetspot

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



34.1107, 18.7402, 65.4380



76.7453, 68.6403, 103.8117



17.9868, 13.6039, 65.2964



15.9857, 13.9534, 22.1007



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.



34.1107, 18.7402, 65.4380



46.7969, 23.0804, 96.5962



36.5600, 20.5842, 39.2886



12.7183, 12.5117, 15.6822



18.0471, 8.4561, 39.1342



1.1481, 0.5407, 2.3632

Inverse Universe

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



31.3002, 18.4802, 11.5910



43.3226, 23.2149, 9.4386



28.7193, 50.1919, 22.2514



12.5158, 12.4578, 13.3903



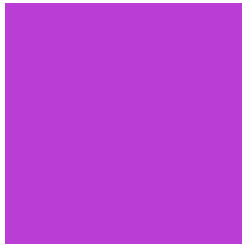
17.0155, 8.7425, 2.1198



1.0547, 0.5387, 0.2777

Previews

White Background



This preview shows how the XYZ color 34.1099, 18.7394, 65.4376 looks on a white background.

Color Contrast Check

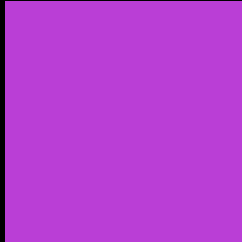
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.1099, 18.7394, 65.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

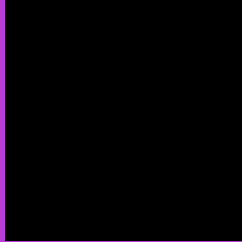
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.1099, 18.7394, 65.4376

Background



This preview shows how black text looks on a background with the XYZ color 34.1099, 18.7394, 65.4376.



This preview shows how white text looks on a background with the XYZ color 34.1099, 18.7394,

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

34.1099, 18.7394, 65.4376

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.5999, 18.9950, 59.7601



Tritanopia

23.8579, 18.6222, 15.9727

Trichromacy



Original Color

34.1099, 18.7394, 65.4376



Protanomaly

21.4180, 15.5352, 79.7116



Deuteranomaly

21.8862, 16.7326, 61.7507



Tritanomaly

26.3431, 17.9300, 28.8605

Monochromacy



Original Color

34.1099, 18.7394, 65.4376



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

20.8349, 16.2955, 31.7530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1099, 18.7394, 65.4376 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, 62, 214)` looks like.

```
.text, #text, p{  
    color:rgb(186, 62, 214)  
}
```

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, 62, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 62, 214) }
```

Border

The CSS property to change the border of an element to XYZ 34.1099, 18.7394, 65.4376 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, 62, 214) }
```


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

```
.border{ border-color:rgb(186, 62, 214) }
```

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

Here you see how a box with a 4 pixel rgb(186, 62, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 62, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 62, 214);  
box-shadow:4px 4px 4px 4px rgb(186, 62,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1099, 18.7394, 65.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 62, 214) }
```

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

```
.background{ background-color: rgb(186, 62,  
214) }
```

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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