

Converting Colors

XYZ(34.1961, 21.5596, 35.9992)

Have a look what the booklet for
XYZ(34.1961, 21.5596, 35.9992)
contains.

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Color

**XYZ(34.2319, 21.6104,
36.0852)**

Conversions

Conversions Part 1

Format	Color
Hex	CB54A1
RGB	203, 84, 161
RGB Percent	80%, 33%, 63%
CMY	0.2039, 0.6706, 0.3686
CMYK	0.00, 0.59, 0.21, 0.20
HSL	321°, 53%, 56%
HSV	321°, 59%, 80%
XYZ	34.2319, 21.6104, 36.0852
YIQ	128.3590, 46.2070, 49.1750

Conversions

Conversions Part 2

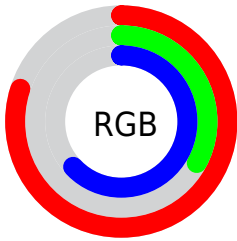
Format	Color
R _Y B	203, 84, 161
Decimal	13325473
CIE _{Lab}	53.61, 55.69, -18.39
CIE _{LCh}	54, 58.650, 341.730
Y _{xy}	21.6104, 0.3724, 0.2351
Android (android.graphics.Color)	4291515553 (0xFFCB54A1)
YUV	128.3590, 16.0920, 65.4602
Hunter-Lab	46.4870, 50.0909, -13.4826

Details

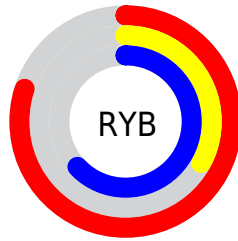
The XYZ color **34.2319, 21.6104, 36.0852** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.7791, 46.1036, 27.1229**, and the grayscale version is **20.5780, 21.6496, 23.5764**.

A 20% lighter version of the original color is **62.8673, 44.6831, 70.2770**, and **14.9208, 7.8279, 15.1925** is the 20% darker color. If you saturate the color by 10%, you get **32.2646, 18.6580, 32.4008**, and if you desaturate by 10%, it is **36.6932, 25.4924, 40.1133**.

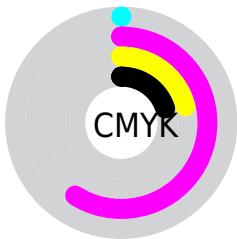
Distribution



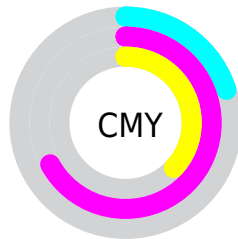
- Red (80%)
- Green (33%)
- Blue (63%)



- Red (80%)
- Yellow (33%)
- Blue (63%)



- Cyan (0%)
- Magenta (59%)
- Yellow (21%)
- Black (20%)





- Cyan (20%)
- Magenta (67%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2319, 21.6104, 36.0852 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 34.2319, 21.6104, 36.0852 by changing the saturation by 10% instead.

 34.2319, 21.6104,
36.0852


 34.2319, 21.6104,
36.0852


312.7326,
260.5049, 344.3814

 23.2355, 13.5709,
24.2098


 65.6360, 46.1012,
70.3341


 14.8892, 7.8228,
15.2757


 86.7745, 63.3213,
93.5446

 8.8275, 3.9818,
8.8643

 112.0244, 84.3705,
121.3706

 4.6850, 1.6634,
4.5572

 141.7511,
109.6330, 154.2306

 2.0965, 0.3998,
1.9357

176.3199,
139.4933, 192.5432

 0.6873, 0.0000,
0.5153

216.0962,

 0.0000, 0.0000,

174.3358, 236.7268

0.0000

261.4453,
214.5448, 287.2000

■ 34.2319, 21.6104,
36.0852

■ 34.2319, 21.6104,
36.0852

■ 32.2646, 18.6580,
32.4008

■ 36.6932, 25.4924,
40.1133

■ 30.7480, 16.5503,
29.0423

■ 39.6830, 30.3726,
44.4989

■ 29.6344, 15.1925,
25.9907

■ 43.2347, 36.3168,
49.2561

■ 28.8473, 14.4327,
23.2174

■ 47.3784, 43.3844,
54.3979

■ 28.7491, 14.3447,
22.8507

■ 52.1419, 51.6302,
59.9362

■ 57.5515, 61.1054,
65.8822

■ 63.6315, 71.8584,
72.2469

■ 70.4053, 83.9347,
79.0404

■ 74.0457, 89.6793,
84.9895

Harmonies

Analogous

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



29.6456, 21.6104, 59.8028



34.2319, 21.6104, 36.0852



34.7342, 21.6104, 17.1907

Triad

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



34.2319, 21.6104, 36.0852



18.1873, 21.6104, 3.3380



12.7987, 21.6104, 54.7690

Complementary

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



34.2319, 21.6104, 36.0852



28.7791, 46.1036, 27.1229

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.



10.8599, 21.6104, 31.2628



34.2319, 21.6104, 36.0852



13.5207, 21.6104, 6.0337

Square

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



34.2319, 21.6104, 36.0852



24.5521, 21.6104, 3.6227



11.0941, 21.6104, 14.2881



16.9908, 21.6104, 73.8375

Rectangle

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



34.2319, 21.6104, 36.0852



32.5820, 21.6104, 9.6514



11.0941, 21.6104, 14.2881



11.9044, 21.6104, 46.7336

Sweetspot

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



34.2326, 21.6115, 36.0856



79.6153, 73.1301, 91.4253



22.5037, 15.0629, 58.2214



16.5779, 14.8582, 19.0092



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.



34.2326, 21.6115, 36.0856



53.3731, 30.3037, 52.9035



30.1906, 19.9947, 14.8011



11.5129, 11.3339, 13.2354



18.3404, 9.1467, 14.7770



0.9814, 0.4859, 0.9477

Inverse Universe

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



34.2326, 21.6115, 36.0856



53.3731, 30.3037, 52.9035



33.7857, 48.1063, 53.4874



11.5129, 11.3339, 13.2354



18.3404, 9.1467, 14.7770



0.9814, 0.4859, 0.9477

Previews

White Background



This preview shows how the XYZ color 34.2319, 21.6104, 36.0852 looks on a white background.

Color Contrast Check

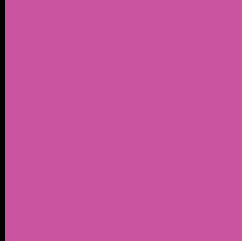
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2319, 21.6104, 36.0852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

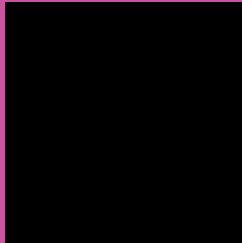
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2319, 21.6104, 36.0852

Background



This preview shows how black text looks on a background with the XYZ color 34.2319, 21.6104, 36.0852.



This preview shows how white text looks on a background with the XYZ color 34.2319, 21.6104,

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

34.2319, 21.6104, 36.0852

Protanopia

23.0304, 21.8361, 53.4530

Deuteranopia

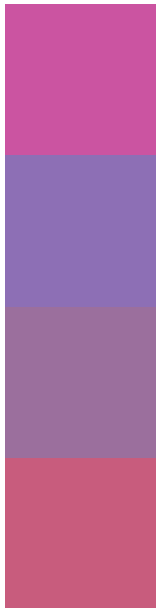
22.1957, 21.8440, 33.6183



Tritanopia

30.0621, 21.5546, 15.6727

Trichromacy



Original Color

34.2319, 21.6104, 36.0852

Protanomaly

25.0094, 20.3678, 46.3293

Deuteranomaly

25.2878, 20.7718, 34.5748

Tritanomaly

31.3482, 21.4143, 21.8832

Monochromacy



Original Color

34.2319, 21.6104, 36.0852

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.0454, 20.4504, 27.4909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2319, 21.6104, 36.0852 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(203, 84, 161)` looks like.

```
.text, #text, p{  
    color:rgb(203, 84, 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(203, 84, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 84, 161) }
```

Border

The CSS property to change the border of an element to XYZ 34.2319, 21.6104, 36.0852 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(203, 84, 161) }
```


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

```
.border{ border-color:rgb(203, 84, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 84, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 84, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 84, 161);  
box-shadow:4px 4px 4px 4px rgb(203, 84,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2319, 21.6104, 36.0852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 84, 161) }
```

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

```
.background{ background-color: rgb(203, 84,  
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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