

Converting Colors

XYZ(34.2645, 24.2523, 33.5107)

Have a look what the booklet for
XYZ(34.2645, 24.2523, 33.5107)
contains.

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Color

**XYZ(34.2362, 24.1757,
33.4338)**

Conversions

Conversions Part 1

Format	Color
Hex	C7679A
RGB	199, 103, 154
RGB Percent	78%, 40%, 60%
CMY	0.2196, 0.5961, 0.3961
CMYK	0.00, 0.48, 0.23, 0.22
HSL	328°, 46%, 59%
HSV	328°, 48%, 78%
XYZ	34.2362, 24.1757, 33.4338
YIQ	137.5180, 40.8450, 36.2130

Conversions

Conversions Part 2

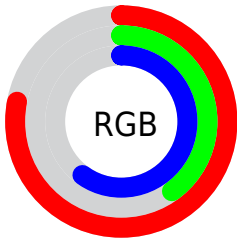
Format	Color
R _Y B	199, 103, 154
Decimal	13068186
CIE Lab	56.26, 44.28, -10.34
CIE LCh	56, 45.467, 346.859
Yxy	24.1757, 0.3728, 0.2632
Android (android.graphics.Color)	4291258266 (0xFFC7679A)
YUV	137.5180, 8.1256, 53.9197
Hunter-Lab	49.1688, 38.2441, -5.8979

Details

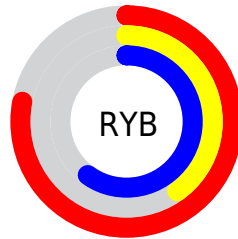
The XYZ color **34.2362, 24.1757, 33.4338** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **31.3634, 45.8693, 35.2198**, and the grayscale version is **23.9341, 25.1805, 27.4216**.

A 20% lighter version of the original color is **64.6821, 49.9280, 65.9025**, and **14.9597, 9.1866, 13.8167** is the 20% darker color. If you saturate the color by 10%, you get **31.7402, 20.3791, 28.9163**, and if you desaturate by 10%, it is **37.2650, 28.9408, 38.4273**.

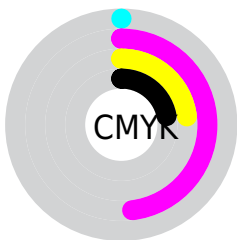
Distribution



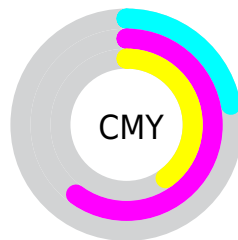
- Red (78%)
- Green (40%)
- Blue (60%)



- Red (78%)
- Yellow (40%)
- Blue (60%)



- Cyan (0%)
- Magenta (48%)
- Yellow (23%)
- Black (22%)




- Cyan (22%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2362, 24.1757, 33.4338 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 34.2362, 24.1757, 33.4338 by changing the saturation by 10% instead.


 34.2362, 24.1757,
33.4338


 34.2362, 24.1757,
33.4338


312.7514,
273.7076, 332.2917


 23.2389, 15.4640,
22.1851


 65.6427, 50.3168,
66.1760


 14.8916, 9.1457,
13.7934


 86.7825, 68.5149,
88.5066

 8.8292, 4.8363,
7.8400


 112.0339, 90.6440,
115.3683

 4.6862, 2.1516,
3.9064

 141.7622,
117.0885, 147.1796

 2.0972, 0.6934,
1.5742

176.3327,
148.2327, 184.3591

 0.6877, 0.0000,
0.2723

216.1108,

 0.0000, 0.0000,

184.4610, 227.3252

0.0000

261.4620,
226.1578, 276.4966

■ 34.2362, 24.1757,
33.4338

■ 34.2362, 24.1757,
33.4338

■ 31.7402, 20.3791,
28.9163

■ 37.2650, 28.9408,
38.4273

■ 29.7396, 17.4789,
24.8550

■ 40.8564, 34.7327,
43.9125

■ 28.1952, 15.3990,
21.2300


■ 45.0404, 41.6090,
49.9061


■ 27.0603, 14.0482,
18.0184


■ 49.8443, 49.6222,
56.4232


■ 26.2641, 13.2874,
15.1892


■ 55.2934, 58.8212,
63.4782

 26.1400, 13.1769,
14.7237

 61.4119, 69.2523,
71.0849

 68.2224, 80.9590,
79.2566

 73.4045, 89.2987,
87.2253

 74.7398, 89.8328,
94.2568

Harmonies

Analogous

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



31.1304, 24.1757, 51.3556



34.2362, 24.1757, 33.4338



34.0163, 24.1757, 18.8189

Triad

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



34.2362, 24.1757, 33.4338



20.1818, 24.1757, 7.2542



16.7615, 24.1757, 53.4473

Complementary

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



34.2362, 24.1757, 33.4338



31.3634, 45.8693, 35.2198

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.



14.6309, 24.1757, 35.5966



34.2362, 24.1757, 33.4338



16.3902, 24.1757, 11.1256

Square

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



34.2362, 24.1757, 33.4338



25.3428, 24.1757, 7.0513



14.5062, 24.1757, 20.2999



20.7656, 24.1757, 65.5412

Rectangle

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



34.2362, 24.1757, 33.4338



32.0064, 24.1757, 12.5447



14.5062, 24.1757, 20.2999



15.8308, 24.1757, 47.6698

Sweetspot

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



34.2369, 24.1769, 33.4343



82.1214, 78.2683, 91.8721



27.3368, 20.1027, 56.4726



17.1940, 16.1149, 19.1387



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.



34.2369, 24.1769, 33.4343



55.3359, 35.3273, 50.1722



31.0163, 22.8886, 16.4749



10.8654, 10.7295, 12.2744



16.8532, 8.4908, 9.7026



0.8344, 0.4166, 0.6510

Inverse Universe

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



34.2369, 24.1769, 33.4343



55.3359, 35.3273, 50.1722



35.9588, 47.7074, 59.4189



10.8654, 10.7295, 12.2744



16.8532, 8.4908, 9.7026



0.8344, 0.4166, 0.6510

Previews

White Background



This preview shows how the XYZ color 34.2362, 24.1757, 33.4338 looks on a white background.

Color Contrast Check

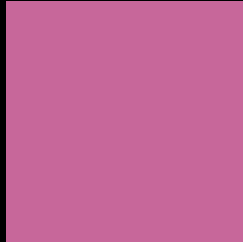
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2362, 24.1757, 33.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

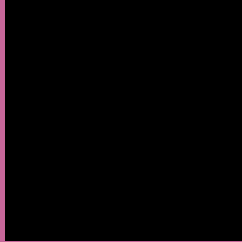
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2362, 24.1757, 33.4338

Background



This preview shows how black text looks on a background with the XYZ color 34.2362, 24.1757, 33.4338.



This preview shows how white text looks on a background with the XYZ color 34.2362, 24.1757,

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

34.2362, 24.1757, 33.4338

Protanopia

24.7204, 24.5053, 43.9845

Deuteranopia

24.8314, 24.4232, 31.8392



Tritanopia

31.3516, 24.0620, 20.1316

Trichromacy



Original Color

34.2362, 24.1757, 33.4338



Protanomaly

27.0069, 23.6313, 39.6971



Deuteranomaly

27.5275, 23.6956, 32.4010



Tritanomaly

32.1194, 23.8898, 24.3911

Monochromacy



Original Color

34.2362, 24.1757, 33.4338



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

26.8649, 24.1544, 29.6319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2362, 24.1757, 33.4338 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(199, 103, 154)` looks like.

```
.text, #text, p{  
    color:rgb(199, 103, 154)  
}
```

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(199, 103, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 103, 154) }
```

Border

The CSS property to change the border of an element to XYZ 34.2362, 24.1757, 33.4338 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(199, 103, 154) }
```


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

```
.border{ border-color:rgb(199, 103, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 103, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 103, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 103, 154);  
box-shadow:4px 4px 4px 4px rgb(199, 103,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2362, 24.1757, 33.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 103, 154) }
```

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

```
.background{ background-color: rgb(199,  
103, 154) }
```

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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