

Converting Colors

XYZ(34.4731, 23.1827, 33.8404)

Have a look what the booklet for
XYZ(34.4731, 23.1827, 33.8404)
contains.

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Color

**XYZ(34.3657, 23.1075,
33.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5F9B
RGB	202, 95, 155
RGB Percent	79%, 37%, 61%
CMY	0.2078, 0.6274, 0.3922
CMYK	0.00, 0.53, 0.23, 0.21
HSL	326°, 50%, 58%
HSV	326°, 53%, 79%
XYZ	34.3657, 23.1075, 33.6593
YIQ	133.8330, 44.5120, 41.3440

Conversions

Conversions Part 2

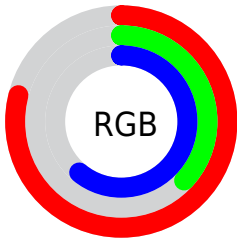
Format	Color
R_{YB}	202, 95, 155
Decimal	13262747
CIE _{Lab}	55.18, 49.38, -12.50
CIE _{LCh}	55, 50.939, 345.792
Yxy	23.1075, 0.3771, 0.2536
Android (android.graphics.Color)	4291452827 (0xFFCA5F9B)
YUV	133.8330, 10.4353, 59.7825
Hunter-Lab	48.0703, 43.4877, -7.8663

Details

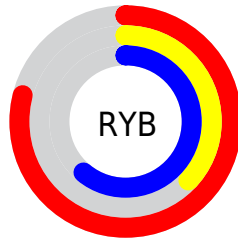
The XYZ color **34.3657, 23.1075, 33.6593** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **30.7234, 46.6276, 32.9740**, and the grayscale version is **22.5509, 23.7253, 25.8369**.

A 20% lighter version of the original color is **63.4961, 47.3583, 66.1161**, and **14.9687, 8.6051, 13.9687** is the 20% darker color. If you saturate the color by 10%, you get **32.0584, 19.6417, 29.3477**, and if you desaturate by 10%, it is **37.2009, 27.5408, 38.4175**.

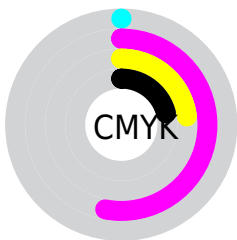
Distribution



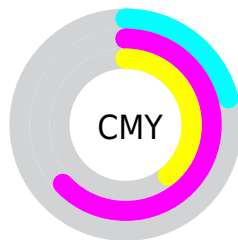
- Red (79%)
- Green (37%)
- Blue (61%)



- Red (79%)
- Yellow (37%)
- Blue (61%)



- Cyan (0%)
- Magenta (53%)
- Yellow (23%)
- Black (21%)





- Cyan (21%)
- Magenta (63%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3657, 23.1075, 33.6593 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 34.3657, 23.1075, 33.6593 by changing the saturation by 10% instead.


 34.3657, 23.1075,
33.6593


 34.3657, 23.1075,
33.6593

313.3169,
268.2767, 333.3329


 23.3389, 14.6729,
22.3567


 65.8425, 48.5698,
66.5313


 14.9660, 8.5901,
13.9184


 87.0232, 66.3663,
88.9379

 8.8817, 4.4748,
7.9259


 112.3192, 88.0521,
115.8829

 4.7206, 1.9426,
3.9605

 142.0959,
114.0119, 147.7848

 2.1173, 0.5738,
1.6037

176.7187,
144.6298, 185.0622

 0.6986, 0.0000,
0.2934

216.5529,

 0.0000, 0.0000,

180.2903, 228.1337

0.0000

261.9639,
221.3778, 277.4177

■ 34.3657, 23.1075,
33.6593

■ 34.3657, 23.1075,
33.6593

■ 32.0584, 19.6417,
29.3477

■ 37.2009, 27.5408,
38.4175

■ 30.2384, 17.0651,
25.4627

■ 40.5963, 33.0054,
43.6381

■ 28.8623, 15.2925,
21.9843

■ 44.5840, 39.5632,
49.3373

■ 27.8774, 14.2204,
18.8885

■ 49.1929, 47.2705,
55.5301

■ 27.3529, 13.7549,
16.9151

■ 54.4500, 56.1797,
62.2306

■ 60.3807, 66.3398,
69.4522

■ 67.0089, 77.7972,
77.2079

■ 73.8429, 89.5669,
85.3384

■ 75.0924, 90.0667,
91.9183

Harmonies

Analogous

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



30.7744, 23.1075, 53.9360



34.3657, 23.1075, 33.6593



34.2603, 23.1075, 17.5609

Triad

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



34.3657, 23.1075, 33.6593



19.1184, 23.1075, 5.4512



15.1845, 23.1075, 54.9609

Complementary

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



34.3657, 23.1075, 33.6593



30.7234, 46.6276, 32.9740

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.



13.0289, 23.1075, 34.6855



34.3657, 23.1075, 33.6593



15.0179, 23.1075, 9.0278

Square

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



34.3657, 23.1075, 33.6593



24.7587, 23.1075, 5.3707



12.9737, 23.1075, 18.2276



19.3860, 23.1075, 69.3892

Rectangle

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



34.3657, 23.1075, 33.6593



32.0847, 23.1075, 10.9255



12.9737, 23.1075, 18.2276



14.2311, 23.1075, 48.2901

Sweetspot

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



34.3664, 23.1086, 33.6597



80.6346, 75.5734, 90.5175



25.8010, 18.1450, 58.0198



16.9073, 15.5868, 18.9035



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.



34.3664, 23.1086, 33.6597



53.6295, 32.3115, 48.3798



30.8551, 21.7041, 15.1695



11.4713, 11.3173, 13.0165



17.6467, 8.8693, 11.1240



0.9481, 0.4727, 0.7727

Inverse Universe

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



34.3664, 23.1086, 33.6597



53.6295, 32.3115, 48.3798



35.6759, 48.6086, 59.0532



11.4713, 11.3173, 13.0165



17.6467, 8.8693, 11.1240



0.9481, 0.4727, 0.7727

Previews

White Background



This preview shows how the XYZ color 34.3657, 23.1075, 33.6593 looks on a white background.

Color Contrast Check

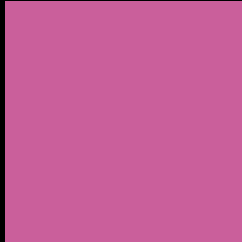
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3657, 23.1075, 33.6593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

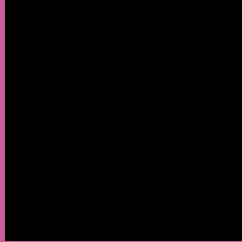
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3657, 23.1075, 33.6593

Background



This preview shows how black text looks on a background with the XYZ color 34.3657, 23.1075, 33.6593.



This preview shows how white text looks on a background with the XYZ color 34.3657, 23.1075,

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

34.3657, 23.1075, 33.6593

Protanopia

23.8257, 23.3794, 46.4369

Deuteranopia

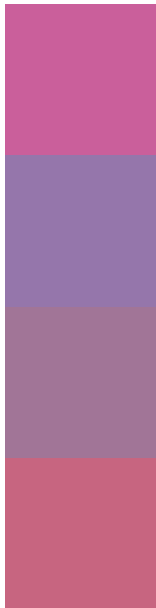
23.7563, 23.2737, 31.6740



Tritanopia

31.1636, 23.0762, 18.1409

Trichromacy



Original Color

34.3657, 23.1075, 33.6593

Protanomaly

26.2235, 22.2867, 41.4477

Deuteranomaly

26.6451, 22.5340, 32.2233

Tritanomaly

32.1032, 23.0080, 23.1710

Monochromacy



Original Color

34.3657, 23.1075, 33.6593

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.8970, 22.7569, 28.6188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3657, 23.1075, 33.6593 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(202, 95, 155)` looks like.

```
.text, #text, p{  
  color:rgb(202, 95, 155)  
}
```

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(202, 95, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 95, 155) }
```

Border

The CSS property to change the border of an element to XYZ 34.3657, 23.1075, 33.6593 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(202, 95, 155) }
```


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

```
.border{ border-color:rgb(202, 95, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 95, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 95, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 95, 155);  
box-shadow:4px 4px 4px 4px rgb(202, 95,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3657, 23.1075, 33.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 95, 155) }
```

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

```
.background{ background-color: rgb(202, 95,  
155) }
```

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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