

Converting Colors

XYZ(34.2694, 23.8908, 38.0862)

Have a look what the booklet for
XYZ(34.2694, 23.8908, 38.0862)
contains.

XYZ(34.2172, 23.9188, 37.9353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.2172, 23.9188,
37.9353)**

Conversions

Conversions Part 1

Format	Color
Hex	C466A4
RGB	196, 102, 164
RGB Percent	77%, 40%, 64%
CMY	0.2314, 0.6000, 0.3569
CMYK	0.00, 0.48, 0.16, 0.23
HSL	320°, 44%, 58%
HSV	320°, 48%, 77%
XYZ	34.2172, 23.9188, 37.9353
YIQ	137.1740, 36.1220, 39.2100

Conversions

Conversions Part 2

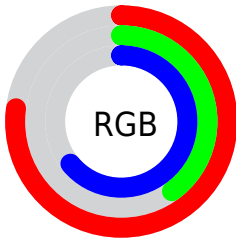
Format	Color
R _Y B	196, 102, 164
Decimal	12871332
CIE Lab	56.01, 45.32, -16.58
CIE LCh	56, 48.256, 339.902
Yxy	23.9188, 0.3562, 0.2490
Android (android.graphics.Color)	4291061412 (0xFFC466A4)
YUV	137.1740, 13.2252, 51.5904
Hunter-Lab	48.9069, 39.2988, -11.7543

Details

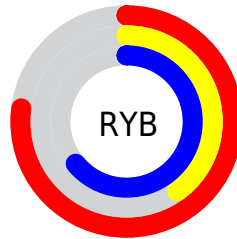
The XYZ color **34.2172, 23.9188, 37.9353** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **29.5236, 44.0267, 29.4981**, and the grayscale version is **23.7863, 25.0250, 27.2523**.

A 20% lighter version of the original color is **65.5477, 49.9622, 73.2068**, and **14.8804, 9.0265, 16.2872** is the 20% darker color. If you saturate the color by 10%, you get **31.9269, 20.2772, 34.2764**, and if you desaturate by 10%, it is **36.9959, 28.4860, 41.9135**.

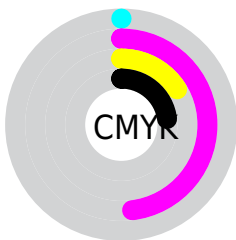
Distribution



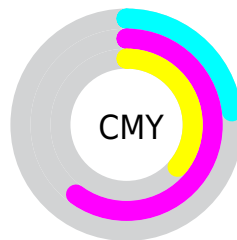
- Red (77%)
- Green (40%)
- Blue (64%)



- Red (77%)
- Yellow (40%)
- Blue (64%)



- Cyan (0%)
- Magenta (48%)
- Yellow (16%)
- Black (23%)



- Cyan (23%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2172, 23.9188, 37.9353 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 34.2172, 23.9188, 37.9353 by changing the saturation by 10% instead.

 34.2172, 23.9188,
37.9353


 34.2172, 23.9188,
37.9353


312.6684,
272.4097, 352.6322


 23.2242, 15.2734,
25.6310


 65.6133, 49.8977,
73.2113


 14.8807, 9.0115,
16.3245


 86.7472, 67.9999,
97.0201

 8.8215, 4.7487,
9.5973


 111.9920, 90.0232,
125.5008

 4.6811, 2.1006,
5.0307

 141.7132,
116.3520, 159.0720

 2.0942, 0.6649,
2.2062

176.2760,
147.3707, 198.1522

 0.6861, 0.0000,
0.6779

216.0459,

 0.0000, 0.0000,

183.4636, 243.1599

0.0000

261.3883,
225.0151, 294.5138

■ 34.2172, 23.9188,
37.9353

■ 34.2172, 23.9188,
37.9353

■ 31.9269, 20.2772,
34.2764

■ 36.9959, 28.4860,
41.9135

■ 30.0898, 17.4925,
30.9220

■ 40.2907, 34.0343,
46.2218

■ 28.6692, 15.4916,
27.8577

■ 44.1297, 40.6190,
50.8721

■ 27.6214, 14.1880,
25.0663

■ 48.5384, 48.2903,
55.8751

■ 26.8808, 13.4517,
22.5236

■ 53.5405, 57.0948,
61.2409

■ 26.7459, 13.3282,
22.0273

■ 59.1585, 67.0768,
66.9791

■ 65.4134, 78.2779,
73.0988

■ 71.0994, 88.2856,
79.2002

■ 71.9872, 88.6407,
83.8754

Harmonies

Analogous

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



30.2373, 23.9188, 56.9787



34.2172, 23.9188, 37.9353



34.8618, 23.9188, 21.1626

Triad

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



34.2172, 23.9188, 37.9353



20.9590, 23.9188, 6.1200



15.5310, 23.9188, 50.7856

Complementary

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



34.2172, 23.9188, 37.9353



29.5236, 44.0267, 29.4981

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.



13.8063, 23.9188, 31.6226



34.2172, 23.9188, 37.9353



16.5878, 23.9188, 9.0025

Square

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



34.2172, 23.9188, 37.9353



26.5761, 23.9188, 6.6675



14.1591, 23.9188, 16.9395



19.2814, 23.9188, 66.2406

Rectangle

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



34.2172, 23.9188, 37.9353



33.2212, 23.9188, 13.6482



14.1591, 23.9188, 16.9395



14.7250, 23.9188, 44.3060

Sweetspot

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



34.2179, 23.9199, 37.9358



82.8043, 78.5415, 95.4680



24.4419, 18.5033, 54.5084



17.3606, 16.1816, 20.0161



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.



34.2179, 23.9199, 37.9358



57.4852, 36.1871, 61.4904



30.7675, 22.5398, 19.7661



10.3469, 10.1874, 11.9171



17.2268, 8.5805, 14.3724



0.7755, 0.3832, 0.7853

Inverse Universe

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



34.2179, 23.9199, 37.9358



57.4852, 36.1871, 61.4904



33.4926, 45.6143, 50.3983



10.3469, 10.1874, 11.9171



17.2268, 8.5805, 14.3724



0.7755, 0.3832, 0.7853

Previews

White Background



This preview shows how the XYZ color 34.2172, 23.9188, 37.9353 looks on a white background.

Color Contrast Check

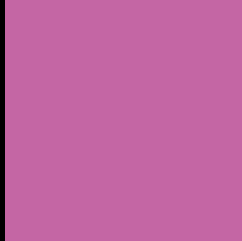
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2172, 23.9188, 37.9353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

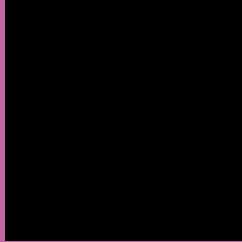
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2172, 23.9188, 37.9353

Background



This preview shows how black text looks on a background with the XYZ color 34.2172, 23.9188, 37.9353.



This preview shows how white text looks on a background with the XYZ color 34.2172, 23.9188,

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

34.2172, 23.9188, 37.9353

Protanopia

24.8582, 24.2422, 49.8234

Deuteranopia

24.6626, 24.2400, 36.1798



Tritanopia

30.5605, 23.8013, 20.7527

Trichromacy



Original Color

34.2172, 23.9188, 37.9353

Protanomaly

27.0280, 23.3365, 45.1993

Deuteranomaly

27.3709, 23.5171, 36.8149

Tritanomaly

31.7988, 23.8402, 26.2182

Monochromacy



Original Color

34.2172, 23.9188, 37.9353

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.5747, 23.7910, 30.7952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2172, 23.9188, 37.9353 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(196, 102, 164)` looks like.

```
.text, #text, p{  
    color:rgb(196, 102, 164)  
}
```

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(196, 102, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 102, 164) }
```

Border

The CSS property to change the border of an element to XYZ 34.2172, 23.9188, 37.9353 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(196, 102, 164) }
```


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

```
.border{ border-color:rgb(196, 102, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 102, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 102, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 102, 164);  
box-shadow:4px 4px 4px 4px rgb(196, 102,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2172, 23.9188, 37.9353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 102, 164) }
```

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

```
.background{ background-color: rgb(196,  
102, 164) }
```

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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