

Converting Colors

XYZ(28.3514, 23.7709, 34.7550)

Have a look what the booklet for
XYZ(28.3514, 23.7709, 34.7550)
contains.

XYZ(28.3235, 23.7009, 34.5344)	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(28.3235, 23.7009,
34.5344)**

Conversions

Conversions Part 1

Format	Color
Hex	A6779C
RGB	166, 119, 156
RGB Percent	65%, 47%, 61%
CMY	0.3490, 0.5333, 0.3882
CMYK	0.00, 0.28, 0.06, 0.35
HSL	313°, 21%, 56%
HSV	313°, 28%, 65%
XYZ	28.3235, 23.7009, 34.5344
YIQ	137.2710, 16.1350, 21.4710

Conversions

Conversions Part 2

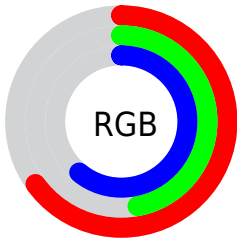
Format	Color
R_{YB}	166, 119, 156
Decimal	10909596
CIE _{Lab}	55.79, 24.54, -12.62
CIE _{LCh}	56, 27.598, 332.782
Yxy	23.7009, 0.3272, 0.2738
Android (android.graphics.Color)	4289099676 (0xFFA6779C)
YUV	137.2710, 9.2334, 25.1953
Hunter-Lab	48.6836, 18.6528, -7.9797

Details

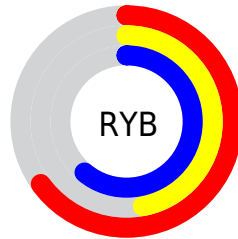
The XYZ color **28.3235, 23.7009, 34.5344** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.2074, 32.7802, 25.7690**, and the grayscale version is **23.8428, 25.0845, 27.3170**.

A 20% lighter version of the original color is **56.6346, 49.7378, 68.2434**, and **11.5500, 8.9109, 14.4758** is the 20% darker color. If you saturate the color by 10%, you get **26.2232, 19.9717, 32.3801**, and if you desaturate by 10%, it is **30.7790, 28.1258, 36.8505**.

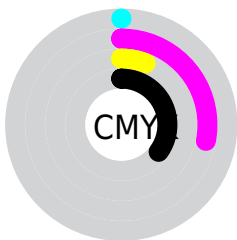
Distribution



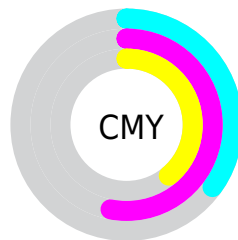
- Red (65%)
- Green (47%)
- Blue (61%)



- Red (65%)
- Yellow (47%)
- Blue (61%)



- Cyan (0%)
- Magenta (28%)
- Yellow (6%)
- Black (35%)





- Cyan (35%)
- Magenta (53%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3235, 23.7009, 34.5344 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 28.3235, 23.7009, 34.5344 by changing the saturation by 10% instead.

 28.3235, 23.7009,
34.5344


 28.3235, 23.7009,
34.5344


286.0616,
271.3048, 337.3500

 18.7114, 15.1119,
23.0238


 56.4056, 49.5417,
67.9072

 11.5647, 8.8980,
14.4056


 75.6062, 67.5622,
90.6065

 6.5181, 4.6747,
8.2613


 98.7337, 89.4954,
117.8724

 3.2062, 2.0577,
4.1725

126.1534,
115.7257, 150.1234

 1.2637, 0.6407,
1.7204

158.2307,
146.6373, 187.7781

 0.1558, 0.0000,
0.3747

195.3309,

 0.0000, 0.0000,

182.6148, 231.2551

0.0000

237.8195,
224.0425, 280.9729

■ 28.3235, 23.7009,
34.5344

■ 28.3235, 23.7009,
34.5344

■ 26.2232, 19.9717,
32.3801

■ 30.7790, 28.1258,
36.8505

■ 24.4580, 16.8992,
30.3798

■ 33.6042, 33.2765,
39.3329

■ 23.0088, 14.4452,
28.5271

■ 36.8156, 39.1853,
41.9876

■ 21.8541, 12.5664,
26.8143

■ 40.4278, 45.8816,
44.8200

■ 20.9692, 11.2139,
25.2330

■ 44.4548, 53.3930,
47.8349

■ 20.3255, 10.3305,
23.7731

■ 48.9098, 61.7461,
51.0371

■ 19.8719, 9.8141,
22.4174

■ 53.8056, 70.9659,
54.4312

■ 19.8011, 9.7371,
22.1944

■ 59.1542, 81.0768,
58.0216

■ 60.5408, 83.2490,
60.3370

Harmonies

Analogous

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



25.9507, 23.7009, 43.2102



28.3235, 23.7009, 34.5344



29.0997, 23.7009, 24.9775

Triad

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



28.3235, 23.7009, 34.5344



22.2357, 23.7009, 12.1191



17.8299, 23.7009, 36.3266

Complementary

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



28.3235, 23.7009, 34.5344



25.2074, 32.7802, 25.7690

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.



17.0269, 23.7009, 26.6531



28.3235, 23.7009, 34.5344



19.4185, 23.7009, 13.8437

Square

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



28.3235, 23.7009, 34.5344



25.3979, 23.7009, 13.2979



17.5808, 23.7009, 18.6886



19.8810, 23.7009, 44.4023

Rectangle

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



28.3235, 23.7009, 34.5344



28.5538, 23.7009, 19.6824



17.5808, 23.7009, 18.6886



17.4141, 23.7009, 33.0844

Sweetspot

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



28.3242, 23.7020, 34.5349



61.0768, 60.5564, 71.4603



22.4432, 20.5682, 38.8642



13.4895, 13.2249, 15.8391



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3242, 23.7020, 34.5349



48.9224, 38.5951, 60.1718



26.5642, 22.9979, 25.2665



7.7725, 7.6389, 9.1193



15.3720, 7.5575, 17.3026



0.3907, 0.1905, 0.5087

Inverse Universe

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



28.3242, 23.7020, 34.5349



48.9224, 38.5951, 60.1718



26.9042, 33.4589, 34.7039



7.7725, 7.6389, 9.1193



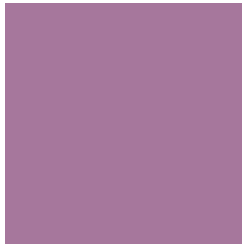
15.3720, 7.5575, 17.3026



0.3907, 0.1905, 0.5087

Previews

White Background



This preview shows how the XYZ color 28.3235, 23.7009, 34.5344 looks on a white background.

Color Contrast Check

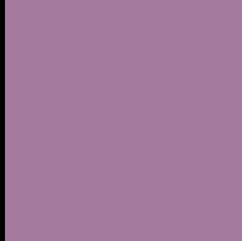
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3235, 23.7009, 34.5344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

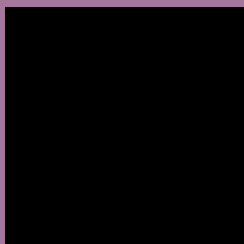
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3235, 23.7009, 34.5344

Background



This preview shows how black text looks on a background with the XYZ color 28.3235, 23.7009, 34.5344.



This preview shows how white text looks on a background with the XYZ color 28.3235, 23.7009,

34.5344.

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

28.3235, 23.7009, 34.5344

Protanopia

23.7832, 23.9273, 38.9622

Deuteranopia

24.4303, 23.9690, 33.9107



Tritanopia

26.4209, 23.6459, 25.3619

Trichromacy



Original Color

28.3235, 23.7009, 34.5344

Protanomaly

25.2253, 23.7097, 37.4293

Deuteranomaly

25.7185, 23.8412, 34.2566

Tritanomaly

27.0771, 23.7347, 28.3534

Monochromacy



Original Color

28.3235, 23.7009, 34.5344

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.2294, 24.2748, 29.7413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3235, 23.7009, 34.5344 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(166, 119, 156)` looks like.

```
.text, #text, p{  
    color:rgb(166, 119, 156)  
}
```

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(166, 119, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 119, 156) }
```

Border

The CSS property to change the border of an element to XYZ 28.3235, 23.7009, 34.5344 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(166, 119, 156) }
```


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

```
.border{ border-color:rgb(166, 119, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 119, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 119, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 119, 156);  
box-shadow:4px 4px 4px 4px rgb(166, 119,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3235, 23.7009, 34.5344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 119, 156) }
```

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

```
.background{ background-color: rgb(166,  
119, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor