

Converting Colors

XYZ(30.1786, 25.8640, 35.4300)

Have a look what the booklet for
XYZ(30.1786, 25.8640, 35.4300)
contains.

XYZ(30.1242, 25.9021, 35.3102)	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(30.1242, 25.9021,
35.3102)**

Conversions

Conversions Part 1

Format	Color
Hex	AA7E9D
RGB	170, 126, 157
RGB Percent	67%, 49%, 62%
CMY	0.3333, 0.5059, 0.3843
CMYK	0.00, 0.26, 0.08, 0.33
HSL	318°, 21%, 58%
HSV	318°, 26%, 67%
XYZ	30.1242, 25.9021, 35.3102
YIQ	142.6900, 16.2730, 18.9690

Conversions

Conversions Part 2

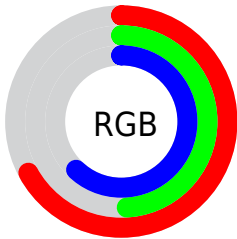
Format	Color
R_{YB}	170, 126, 157
Decimal	11173533
CIE _{Lab}	57.94, 22.18, -9.92
CIE _{LCh}	58, 24.294, 335.906
Yxy	25.9021, 0.3298, 0.2836
Android (android.graphics.Color)	4289363613 (0xFFAA7E9D)
YUV	142.6900, 7.0548, 23.9509
Hunter-Lab	50.8941, 16.5894, -5.5094

Details

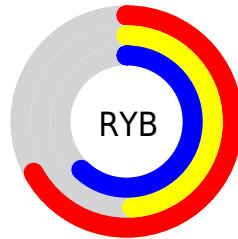
The XYZ color **30.1242, 25.9021, 35.3102** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.6401, 35.0498, 29.7361**, and the grayscale version is **25.9538, 27.3054, 29.7356**.

A 20% lighter version of the original color is **59.3678, 53.1624, 69.4197**, and **12.5221, 9.9914, 14.9042** is the 20% darker color. If you saturate the color by 10%, you get **27.7125, 21.7506, 32.4339**, and if you desaturate by 10%, it is **32.9245, 30.8018, 38.4036**.

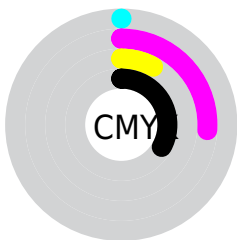
Distribution



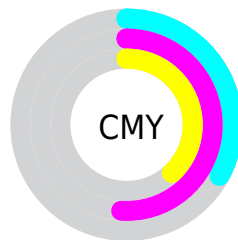
- Red (67%)
- Green (49%)
- Blue (62%)



- Red (67%)
- Yellow (49%)
- Blue (62%)



- Cyan (0%)
- Magenta (26%)
- Yellow (8%)
- Black (33%)





- Cyan (33%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1242, 25.9021, 35.3102 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 30.1242, 25.9021, 35.3102 by changing the saturation by 10% instead.


 30.1242, 25.9021,
35.3102


 30.1242, 25.9021,
35.3102


294.3824,
282.3012, 340.8812


 20.0814, 16.7504,
23.6165


 59.2438, 53.1170,
69.1231

 12.5628, 10.0567,
14.8398


 79.0514, 71.9489,
92.0792

 7.2031, 5.4366,
8.5617


 102.8445, 94.7765,
119.6267

 3.6369, 2.5056,
4.3635

130.9887,
121.9839, 152.1839

 1.4989, 0.8795,
1.8268

163.8492,
153.9557, 190.1694

 0.3251, 0.0000,
0.4455

201.7914,

 0.0000, 0.0000,

191.0763, 234.0017

0.0000

245.1807,
233.7300, 284.0995

■ 30.1242, 25.9021,
35.3102

■ 30.1242, 25.9021,
35.3102

■ 27.7125, 21.7506,
32.4339

■ 32.9245, 30.8018,
38.4036

■ 25.6681, 18.3063,
29.7658

■ 36.1287, 36.4810,
41.7193

■ 23.9714, 15.5298,
27.2984

■ 39.7538, 42.9734,
45.2645

■ 22.5998, 13.3762,
25.0233

■ 43.8156, 50.3097,
49.0451

■ 21.5278, 11.7951,
22.9308

■ 48.3286, 58.5191,
53.0671

■ 20.7262, 10.7283,
21.0101

■ 53.3069, 67.6293,
57.3361

■ 20.1566, 10.0993,
19.2472

■ 58.7639, 77.6667,
61.8575

■ 19.9539, 9.8966,
18.5547

■ 62.4370, 84.1058,
65.8780

■ 63.0231, 84.3403,
68.9642

Harmonies

Analogous

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



28.0705, 25.9021, 43.3815



30.1242, 25.9021, 35.3102



30.6542, 25.9021, 26.5763

Triad

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



30.1242, 25.9021, 35.3102



24.0444, 25.9021, 15.0135



20.3350, 25.9021, 38.7543

Complementary

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



30.1242, 25.9021, 35.3102



27.6401, 35.0498, 29.7361

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.



19.4333, 25.9021, 29.8947



30.1242, 25.9021, 35.3102



21.4630, 25.9021, 17.0558

Square

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



30.1242, 25.9021, 35.3102



26.9896, 25.9021, 15.8967



19.8293, 25.9021, 22.1198



22.3917, 25.9021, 45.6299

Rectangle

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



30.1242, 25.9021, 35.3102



30.0382, 25.9021, 21.7292



19.8293, 25.9021, 22.1198



19.8945, 25.9021, 35.8497

Sweetspot

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



30.1250, 25.9033, 35.3107



64.1686, 63.7294, 74.2962



25.2763, 23.2685, 41.1896



14.1134, 13.8630, 16.3675



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.1250, 25.9033, 35.3107



52.0870, 42.5554, 61.0541



28.4502, 25.2333, 26.4914



7.7460, 7.6283, 8.9798



14.7035, 7.2901, 13.7821



0.3785, 0.1857, 0.4447

Inverse Universe

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



30.1250, 25.9033, 35.3107



52.0870, 42.5554, 61.0541



29.3659, 35.7401, 38.8236



7.7460, 7.6283, 8.9798



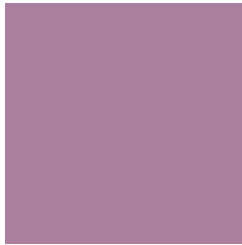
14.7035, 7.2901, 13.7821



0.3785, 0.1857, 0.4447

Previews

White Background



This preview shows how the XYZ color 30.1242, 25.9021, 35.3102 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 30.1242, 25.9021, 35.3102 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 30.1242, 25.9021, 35.3102

Background



This preview shows how black text looks on a background with the XYZ color 30.1242, 25.9021, 35.3102.



This preview shows how white text looks on a background with the XYZ color 30.1242, 25.9021,

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

30.1242, 25.9021, 35.3102

Protanopia

25.7115, 25.9619, 39.2533

Deuteranopia

26.5746, 26.0859, 34.6448



Tritanopia

28.6589, 25.8894, 27.9128

Trichromacy



Original Color

30.1242, 25.9021, 35.3102

Protanomaly

27.0793, 25.8619, 37.7470

Deuteranomaly

27.7696, 25.8714, 34.9826

Tritanomaly

29.2697, 25.9487, 30.6600

Monochromacy



Original Color

30.1242, 25.9021, 35.3102

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.4278, 26.8017, 31.7446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1242, 25.9021, 35.3102 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(170, 126, 157)` looks like.

```
.text, #text, p{  
    color:rgb(170, 126, 157)  
}
```

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(170, 126, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 126, 157) }
```

Border

The CSS property to change the border of an element to XYZ 30.1242, 25.9021, 35.3102 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(170, 126, 157) }
```


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

```
.border{ border-color:rgb(170, 126, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 126, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 126, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 126, 157);  
box-shadow:4px 4px 4px 4px rgb(170, 126,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1242, 25.9021, 35.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 126, 157) }
```

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

```
.background{ background-color: rgb(170,  
126, 157) }
```

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