

Converting Colors

XYZ(24.8945, 18.4187, 37.5360)

Have a look what the booklet for
XYZ(24.8945, 18.4187, 37.5360)
contains.

XYZ(24.8802, 18.3978, 37.3618)	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(24.8802, 18.3978,
37.3618)**

Conversions

Conversions Part 1

Format	Color
Hex	9D61A4
RGB	157, 97, 164
RGB Percent	62%, 38%, 64%
CMY	0.3843, 0.6196, 0.3569
CMYK	0.04, 0.41, 0.00, 0.36
HSL	294°, 27%, 51%
HSV	294°, 41%, 64%
XYZ	24.8802, 18.3978, 37.3618
YIQ	122.5780, 14.2530, 33.5570

Conversions

Conversions Part 2

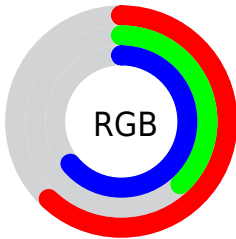
Format	Color
R _Y B	157, 97, 164
Decimal	10314148
CIE _{Lab}	49.98, 35.47, -26.27
CIE _{LCh}	50, 44.139, 323.478
Y _{xy}	18.3978, 0.3085, 0.2281
Android (android.graphics.Color)	4288504228 (0xFF9D61A4)
Y _{UV}	122.5780, 20.4210, 30.1881
Hunter-Lab	42.8927, 28.4781, -21.6199

Details

The XYZ color **24.8802, 18.3978, 37.3618** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.1426, 30.3575, 16.0553**, and the grayscale version is **18.6202, 19.5899, 21.3334**.

A 20% lighter version of the original color is **50.9742, 40.7555, 72.1978**, and **9.6905, 6.2268, 16.0204** is the 20% darker color. If you saturate the color by 10%, you get **23.1869, 15.5035, 36.8927**, and if you desaturate by 10%, it is **26.8927, 21.9226, 37.9364**.

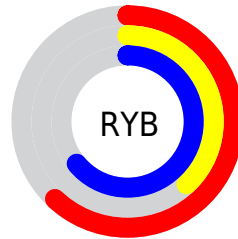
Distribution



Red (62%)

Green (38%)

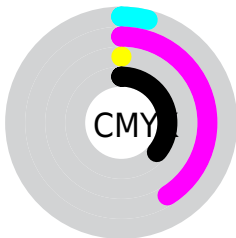
Blue (64%)



Red (62%)

Yellow (38%)

Blue (64%)

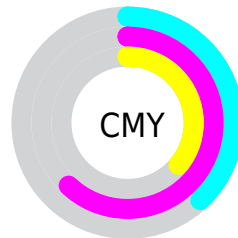


Cyan (4%)

Magenta (41%)

Yellow (0%)

Black (36%)



Cyan (38%)


Magenta (62%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8802, 18.3978, 37.3618 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 24.8802, 18.3978, 37.3618 by changing the saturation by 10% instead.


 24.8802, 18.3978,
37.3618


 24.8802, 18.3978,
37.3618


269.5995,
243.1038, 350.0900

 16.1161, 11.2360,
25.1898


 50.9071, 40.7140,
72.3214

 9.6977, 6.2258,
15.9982


 68.9006, 56.6372,
95.9461

 5.2597, 2.9829,
9.3685


 90.7012, 76.2496,
124.2254

 2.4368, 1.1228,
4.8822

 116.6744, 99.9356,
157.5778

 0.8635, 0.0000,
2.1208

147.1855,
128.0796, 196.4220

 0.0000, 0.0000,
0.6281

182.5998,

 0.0000, 0.0000,

161.0661, 241.1763

0.0000

223.2826,
199.2793, 292.2595

■ 24.8802, 18.3978,
37.3618

■ 24.8802, 18.3978,
37.3618

■ 23.1869, 15.5035,
36.8927

■ 26.8927, 21.9226,
37.9364

■ 21.7914, 13.1985,
36.5213

■ 29.2403, 26.1111,
38.6211

■ 20.6728, 11.4402,
36.2409

■ 31.9402, 30.9971,
39.4219

■ 19.8065, 10.1796,
36.0432

■ 35.0077, 36.6112,
40.3438

■ 19.1634, 9.3586,
35.9186

■ 38.4572, 42.9824,
41.3918

■ 18.7098, 8.8712,
35.8485

■ 42.3024, 50.1379,
42.5703

■ 46.5564, 58.1037,
43.8836

■ 51.2314, 66.9045,
45.3360

■ 56.3394, 76.5641,
46.9312

Harmonies

Analogous

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



20.9352, 18.3978, 49.9366



24.8802, 18.3978, 37.3618



26.8880, 18.3978, 22.7993

Triad

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



24.8802, 18.3978, 37.3618



18.4278, 18.3978, 4.6478



11.0310, 18.3978, 30.8327

Complementary

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



24.8802, 18.3978, 37.3618



21.1426, 30.3575, 16.0553

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.



10.5802, 18.3978, 17.4984



24.8802, 18.3978, 37.3618



14.4391, 18.3978, 5.3526

Square

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



24.8802, 18.3978, 37.3618



22.7938, 18.3978, 6.5283



11.7253, 18.3978, 9.1121



13.0746, 18.3978, 45.2235

Rectangle

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



24.8802, 18.3978, 37.3618



26.6601, 18.3978, 15.0737



11.7253, 18.3978, 9.1121



10.7034, 18.3978, 25.9735

Sweetspot

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



24.8808, 18.3986, 37.3622



57.2642, 54.9690, 71.3443



16.6642, 15.2884, 37.1949



12.3840, 11.7720, 15.5570



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.8808, 18.3986, 37.3622



42.3504, 28.5838, 67.0374



24.1955, 18.2868, 26.4202



7.2911, 7.1644, 8.9017



14.3692, 6.8141, 27.4877



0.3214, 0.1532, 0.5785

Inverse Universe

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



22.0838, 17.4421, 15.3001



36.6872, 26.6763, 21.0506



21.7612, 30.5149, 23.3789



7.1025, 7.0974, 7.5259



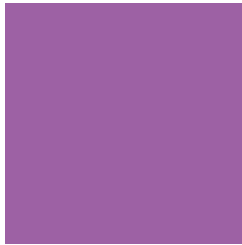
11.8264, 6.0866, 1.0104



0.2569, 0.1312, 0.0653

Previews

White Background



This preview shows how the XYZ color 24.8802, 18.3978, 37.3618 looks on a white background.

Color Contrast Check

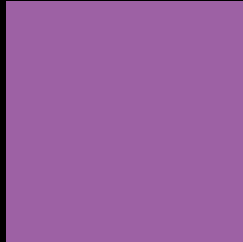
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8802, 18.3978, 37.3618 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 24.8802, 18.3978, 37.3618

Background



This preview shows how black text looks on a background with the XYZ color 24.8802, 18.3978, 37.3618.



This preview shows how white text looks on a background with the XYZ color 24.8802, 18.3978,

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

24.8802, 18.3978, 37.3618

Protanopia

19.5293, 18.5593, 45.7330

Deuteranopia

19.0079, 18.6831, 35.8621



Tritanopia

20.9878, 18.2604, 18.9414

Trichromacy



Original Color

24.8802, 18.3978, 37.3618

Protanomaly

20.8237, 18.1298, 42.4463

Deuteranomaly

20.6131, 18.1607, 36.1371

Tritanomaly

22.2208, 18.1663, 24.5256

Monochromacy



Original Color

24.8802, 18.3978, 37.3618

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.5964, 19.0205, 26.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8802, 18.3978, 37.3618 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(157, 97, 164)` looks like.

```
.text, #text, p{  
    color:rgb(157, 97, 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(157, 97, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 97, 164) }
```

Border

The CSS property to change the border of an element to XYZ 24.8802, 18.3978, 37.3618 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(157, 97, 164) }
```


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

```
.border{ border-color:rgb(157, 97, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 97, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 97, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 97, 164);  
box-shadow:4px 4px 4px 4px rgb(157, 97,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8802, 18.3978, 37.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 97, 164) }
```

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

```
.background{ background-color: rgb(157, 97,  
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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