

Converting Colors

XYZ(30.9194, 25.3783, 49.0162)

Have a look what the booklet for
XYZ(30.9194, 25.3783, 49.0162)
contains.

XYZ(30.9442, 25.4552, 49.1814)	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(30.9442, 25.4552,
49.1814)**

Conversions

Conversions Part 1

Format	Color
Hex	A37BB9
RGB	163, 123, 185
RGB Percent	64%, 48%, 73%
CMY	0.3608, 0.5176, 0.2745
CMYK	0.12, 0.34, 0.00, 0.27
HSL	279°, 31%, 60%
HSV	279°, 34%, 73%
XYZ	30.9442, 25.4552, 49.1814
YIQ	142.0280, 3.9380, 27.7620

Conversions

Conversions Part 2

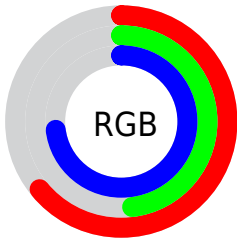
Format	Color
RYB	163, 123, 185
Decimal	10714041
CIELab	57.52, 27.09, -26.70
CIELCh	58, 38.035, 315.410
Yxy	25.4552, 0.2931, 0.2411
Android (android.graphics.Color)	4288904121 (0xFFA37BB9)
YUV	142.0280, 21.1852, 18.3924
Hunter-Lab	50.4531, 21.1856, -22.4783

Details

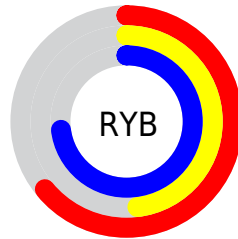
The XYZ color **30.9442, 25.4552, 49.1814** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.6019, 42.1483, 25.1571**, and the grayscale version is **25.6407, 26.9760, 29.3769**.

A 20% lighter version of the original color is **60.6159, 52.4616, 90.1504**, and **12.9778, 9.7460, 23.0270** is the 20% darker color. If you saturate the color by 10%, you get **27.5533, 20.6167, 48.4266**, and if you desaturate by 10%, it is **34.8403, 31.1991, 50.0851**.

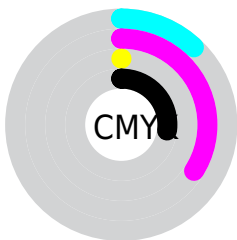
Distribution



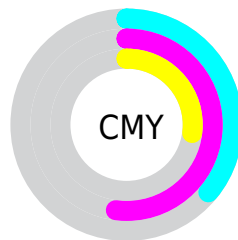
- Red (64%)
- Green (48%)
- Blue (73%)



- Red (64%)
- Yellow (48%)
- Blue (73%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (27%)



- Cyan (36%)
- Magenta (52%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9442, 25.4552, 49.1814 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 30.9442, 25.4552, 49.1814 by changing the saturation by 10% instead.

■ 30.9442, 25.4552,
49.1814

■ 30.9442, 25.4552,
49.1814

298.1126,
280.0973, 400.0990

■ 20.7080, 16.4165,
34.3968

■ 60.5286, 52.3947,
90.3446

■ 13.0220, 9.8194,
22.9188

■ 80.6076, 71.0644,
117.5602

■ 7.5208, 5.2794,
14.3288

■ 104.6981, 93.7131,
149.7567

■ 3.8391, 2.4121,
8.2083

133.1657,
120.7254, 187.3524

■ 1.6115, 0.8321,
4.1389

166.3755,
152.4855, 230.7659

■ 0.3999, 0.0000,
1.7018

204.6931,

■ 0.0000, 0.0000,

189.3780, 280.4158

0.3620

248.4837,
231.7871, 336.7207

■ 0.0000, 0.0000,
0.0000

■ 30.9442, 25.4552,
49.1814

■ 30.9442, 25.4552,
49.1814

■ 27.5533, 20.6167,
48.4266

■ 34.8403, 31.1991,
50.0851

■ 24.6394, 16.6309,
47.8108

■ 39.2625, 37.8910,
51.1437

■ 22.1754, 13.4444,
47.3256

■ 44.2338, 45.5743,
52.3647

■ 20.1301, 10.9964,
46.9609

■ 49.7749, 54.2890,
53.7548

■ 18.4676, 9.2171,
46.7051

■ 55.9052, 64.0728,
55.3202

■ 17.1452, 8.0223,
46.5442

■ 62.6434, 74.9614,
57.0667

■ 16.4137, 7.4500,
46.4723

■ 70.0072, 86.9890,
59.0002

■ 72.6937, 89.5484,
59.3526

■ 74.6664, 90.5654,
59.4449

Harmonies

Analogous

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



26.5841, 25.4552, 59.3994



30.9442, 25.4552, 49.1814



33.6428, 25.4552, 34.4883

Triad

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



30.9442, 25.4552, 49.1814



26.4559, 25.4552, 9.9034



16.7299, 25.4552, 34.8893

Complementary

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



30.9442, 25.4552, 49.1814



32.6019, 42.1483, 25.1571

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.



16.7047, 25.4552, 21.8945



30.9442, 25.4552, 49.1814



21.9524, 25.4552, 9.9500

Square

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



30.9442, 25.4552, 49.1814



30.8403, 25.4552, 13.4743



18.5053, 25.4552, 13.6311



18.5792, 25.4552, 49.5528

Rectangle

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



30.9442, 25.4552, 49.1814



33.9454, 25.4552, 25.4297



18.5053, 25.4552, 13.6311



16.5163, 25.4552, 30.1362

Sweetspot

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



30.9450, 25.4563, 49.1820



73.1882, 72.2683, 92.2963



27.1641, 28.1904, 49.9090



15.5174, 15.1789, 19.8336



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.9450, 25.4563, 49.1820



50.9940, 39.2413, 87.0913



35.0005, 27.6449, 44.9476



9.0634, 8.9990, 11.3387



11.2576, 5.1147, 31.6470



0.4615, 0.2136, 1.1187

Inverse Universe

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



32.2021, 26.5255, 30.2116



53.7994, 41.5728, 47.2250



29.6330, 40.5555, 27.8348



9.1327, 9.0635, 10.0463



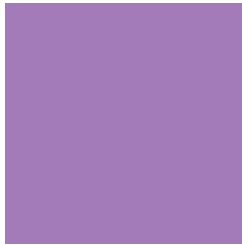
14.3176, 7.3008, 4.2935



0.5348, 0.2694, 0.3096

Previews

White Background



This preview shows how the XYZ color 30.9442, 25.4552, 49.1814 looks on a white background.

Color Contrast Check

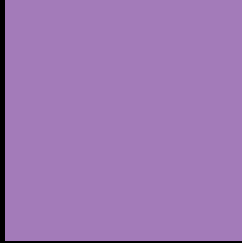
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9442, 25.4552, 49.1814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

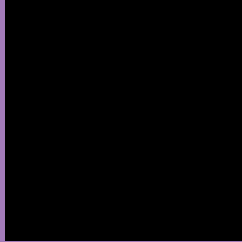
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9442, 25.4552, 49.1814

Background



This preview shows how black text looks on a background with the XYZ color 30.9442, 25.4552, 49.1814.



This preview shows how white text looks on a background with the XYZ color 30.9442, 25.4552,

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

30.9442, 25.4552, 49.1814

Protanopia

26.4002, 25.5415, 55.1683

Deuteranopia

26.1497, 25.5749, 47.8142



Tritanopia

26.8441, 25.5234, 29.1029

Trichromacy



Original Color

30.9442, 25.4552, 49.1814

Protanomaly

27.6736, 25.2284, 52.7012

Deuteranomaly

27.6480, 25.3142, 48.2287

Tritanomaly

28.3199, 25.5401, 35.7849

Monochromacy



Original Color

30.9442, 25.4552, 49.1814

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.4132, 26.2806, 35.9756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9442, 25.4552, 49.1814 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(163, 123, 185)` looks like.

```
.text, #text, p{  
    color:rgb(163, 123, 185)  
}
```

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(163, 123, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 123, 185) }
```

Border

The CSS property to change the border of an element to XYZ 30.9442, 25.4552, 49.1814 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(163, 123, 185) }
```


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

```
.border{ border-color:rgb(163, 123, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 123, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 123, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 123, 185);  
box-shadow:4px 4px 4px 4px rgb(163, 123,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9442, 25.4552, 49.1814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 123, 185) }
```

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

```
.background{ background-color: rgb(163,  
123, 185) }
```

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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