

Converting Colors

XYZ(24.4071, 20.0668, 30.5100)

Have a look what the booklet for
XYZ(24.4071, 20.0668, 30.5100)
contains.

XYZ(24.5242, 20.1433, 30.6125)	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(24.5242, 20.1433,
30.6125)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6D94
RGB	156, 109, 148
RGB Percent	61%, 43%, 58%
CMY	0.3882, 0.5725, 0.4196
CMYK	0.00, 0.30, 0.05, 0.39
HSL	310°, 19%, 52%
HSV	310°, 30%, 61%
XYZ	24.5242, 20.1433, 30.6125
YIQ	127.4990, 15.4930, 22.0930

Conversions

Conversions Part 2

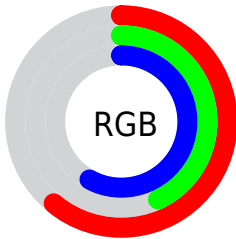
Format	Color
R_{YB}	156, 109, 148
Decimal	10251668
CIE _{Lab}	52.00, 25.22, -13.78
CIE _{LCh}	52, 28.736, 331.340
Yxy	20.1433, 0.3258, 0.2676
Android (android.graphics.Color)	4288441748 (0xFF9C6D94)
YUV	127.4990, 10.1070, 24.9954
Hunter-Lab	44.8813, 18.9944, -9.0235

Details

The XYZ color **24.5242, 20.1433, 30.6125** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.4068, 28.3130, 21.1674**, and the grayscale version is **20.3075, 21.3651, 23.2666**.

A 20% lighter version of the original color is **50.2695, 43.6029, 61.6438**, and **9.4824, 7.0378, 12.1679** is the 20% darker color. If you saturate the color by 10%, you get **22.7978, 17.0227, 29.0120**, and if you desaturate by 10%, it is **26.5520, 23.8583, 32.3377**.

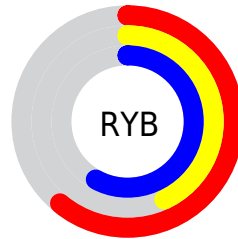
Distribution



Red (61%)

Green (43%)

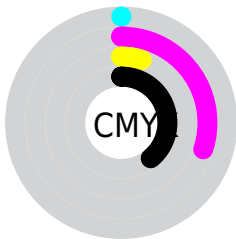
Blue (58%)



Red (61%)

Yellow (43%)

Blue (58%)

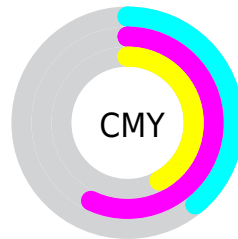


Cyan (0%)

Magenta (30%)

Yellow (5%)

Black (39%)



Cyan (39%)

Magenta (57%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5242, 20.1433, 30.6125 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 24.5242, 20.1433, 30.6125 by changing the saturation by 10% instead.

■ 24.5242, 20.1433,
30.6125

■ 24.5242, 20.1433,
30.6125

267.8516,
252.6898, 319.0448

■ 15.8498, 12.4993,
20.0480

■ 50.3328, 43.6573,
61.7019

■ 9.5081, 7.0846,
12.2455

■ 68.1976, 60.2961,
83.0638

■ 5.1338, 3.5151,
6.7865

■ 89.8566, 80.7018,
108.8620

■ 2.3615, 1.4062,
3.2525

■ 115.6751,
105.2590, 139.5149

■ 0.8259, 0.2213,
1.2250

146.0185,
134.3520, 175.4411

■ 0.0000, 0.0000,
0.0000

181.2522,

168.3652, 217.0591

221.7414,
207.6830, 264.7875

■ 24.5242, 20.1433,
30.6125

■ 24.5242, 20.1433,
30.6125

■ 22.7978, 17.0227,
29.0120

■ 26.5520, 23.8583,
32.3377

■ 21.3553, 14.4627,
27.5296

■ 28.8939, 28.1940,
34.1913

■ 20.1803, 12.4299,
26.1599

■ 31.5640, 33.1783,
36.1784

■ 19.2538, 10.8865,
24.8962

■ 34.5751, 38.8368,
38.3034

■ 18.5542, 9.7896,
23.7314

■ 37.9392, 45.1934,
40.5705

■ 18.0565, 9.0889,
22.6569

■ 41.6678, 52.2710,
42.9837

■ 17.7026, 8.6649,
21.6642

■ 45.7719, 60.0916,
45.5467

■ 50.2619, 68.6760,
48.2632

■ 55.1480, 78.0443,
51.1368

Harmonies

Analogous

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



22.2264, 20.1433, 38.7919



24.5242, 20.1433, 30.6125



25.3451, 20.1433, 21.5577

Triad

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



24.5242, 20.1433, 30.6125



19.0142, 20.1433, 9.4377



14.7275, 20.1433, 31.4355

Complementary

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



24.5242, 20.1433, 30.6125



21.4068, 28.3130, 21.1674

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.



14.0497, 20.1433, 22.3119



24.5242, 20.1433, 30.6125



16.3635, 20.1433, 10.8406

Square

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



24.5242, 20.1433, 30.6125



21.9754, 20.1433, 10.6065



14.6172, 20.1433, 15.0713



16.5698, 20.1433, 39.3460

Rectangle

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



24.5242, 20.1433, 30.6125



24.8843, 20.1433, 16.5718



14.6172, 20.1433, 15.0713



14.3649, 20.1433, 28.3404

Sweetspot

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



24.5248, 20.1442, 30.6129



52.9129, 52.0148, 62.4322



18.7840, 17.1090, 33.7651



11.5064, 11.1912, 13.6331



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.5248, 20.1442, 30.6129



42.4182, 32.7356, 53.6616



22.8600, 19.4783, 21.8463



6.8557, 6.7352, 8.0910



14.5925, 7.1416, 17.9027



0.2726, 0.1324, 0.3817

Inverse Universe

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



24.5248, 20.1442, 30.6129



42.4182, 32.7356, 53.6616



22.9541, 28.9319, 29.3153



6.8557, 6.7352, 8.0910



14.5925, 7.1416, 17.9027



0.2726, 0.1324, 0.3817

Previews

White Background



This preview shows how the XYZ color 24.5242, 20.1433, 30.6125 looks on a white background.

Color Contrast Check

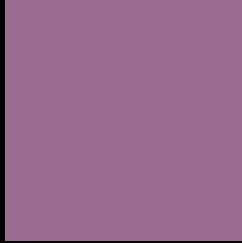
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5242, 20.1433, 30.6125 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 24.5242, 20.1433, 30.6125

Background



This preview shows how black text looks on a background with the XYZ color 24.5242, 20.1433, 30.6125.



This preview shows how white text looks on a background with the XYZ color 24.5242, 20.1433,

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

24.5242, 20.1433, 30.6125

Protanopia

20.4570, 20.3475, 35.1970

Deuteranopia

20.6299, 20.1857, 30.0030



Tritanopia

22.7293, 20.2370, 21.4471

Trichromacy



Original Color

24.5242, 20.1433, 30.6125

Protanomaly

21.6712, 20.1153, 33.3123

Deuteranomaly

21.9443, 20.1475, 30.3360

Tritanomaly

23.2855, 20.1243, 24.4869

Monochromacy



Original Color

24.5242, 20.1433, 30.6125

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.6918, 20.8273, 25.7985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5242, 20.1433, 30.6125 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(156, 109, 148)` looks like.

```
.text, #text, p{  
    color:rgb(156, 109, 148)  
}
```

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(156, 109, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 109, 148) }
```

Border

The CSS property to change the border of an element to XYZ 24.5242, 20.1433, 30.6125 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(156, 109, 148) }
```


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

```
.border{ border-color:rgb(156, 109, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 109, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 109, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 109, 148);  
box-shadow:4px 4px 4px 4px rgb(156, 109,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5242, 20.1433, 30.6125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 109, 148) }
```

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

```
.background{ background-color: rgb(156,  
109, 148) }
```

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