

Converting Colors

XYZ(24.7141, 18.5788, 23.7150)

Have a look what the booklet for
XYZ(24.7141, 18.5788, 23.7150)
contains.

XYZ(24.7336, 18.6231, 23.7637)	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(24.7336, 18.6231,
23.7637)**

Conversions

Conversions Part 1

Format	Color
Hex	A96183
RGB	169, 97, 131
RGB Percent	66%, 38%, 51%
CMY	0.3373, 0.6196, 0.4863
CMYK	0.00, 0.43, 0.22, 0.34
HSL	332°, 30%, 52%
HSV	332°, 43%, 66%
XYZ	24.7336, 18.6231, 23.7637
YIQ	122.4040, 31.9980, 25.8380

Conversions

Conversions Part 2

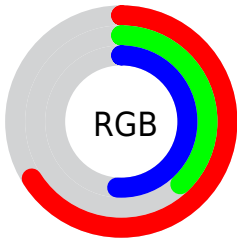
Format	Color
R_{YB}	169, 97, 131
Decimal	11100547
CIE _{Lab}	50.24, 33.69, -6.20
CIE _{LCh}	50, 34.252, 349.567
Yxy	18.6231, 0.3685, 0.2775
Android (android.graphics.Color)	4289290627 (0xFFA96183)
YUV	122.4040, 4.2378, 40.8647
Hunter-Lab	43.1545, 26.7853, -2.4408

Details

The XYZ color **24.7336, 18.6231, 23.7637** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.4918, 32.6671, 27.9905**, and the grayscale version is **18.6105, 19.5797, 21.3223**.

A 20% lighter version of the original color is **50.7632, 41.1243, 50.6097**, and **9.6502, 6.3679, 8.7032** is the 20% darker color. If you saturate the color by 10%, you get **22.7564, 15.5948, 20.2492**, and if you desaturate by 10%, it is **27.0966, 22.3393, 27.6640**.

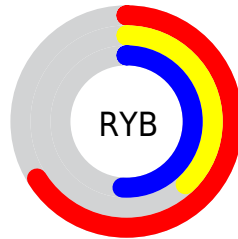
Distribution



Red (66%)

Green (38%)

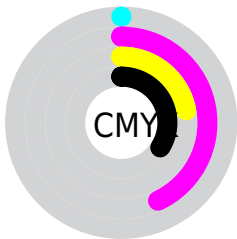
Blue (51%)



Red (66%)

Yellow (38%)

Blue (51%)

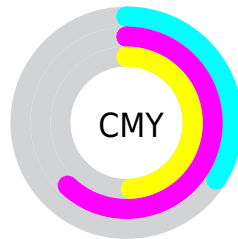


Cyan (0%)

Magenta (43%)

Yellow (22%)

Black (34%)



Cyan (34%)


Magenta (62%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7336, 18.6231, 23.7637 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 24.7336, 18.6231, 23.7637 by changing the saturation by 10% instead.


 24.7336, 18.6231,
23.7637


 24.7336, 18.6231,
23.7637

268.8808,
244.3601, 284.8716


 16.0064, 11.3983,
14.9478


 50.6707, 41.0962,
50.5833


 9.6195, 6.3354,
8.6366


 68.6113, 57.1133,
69.4241

 5.2078, 3.0501,
4.4113

 90.3538, 76.8300,
92.4437

 2.4057, 1.1579,
1.8536

 116.2634,
100.6306, 120.0606

 0.8479, 0.0269,
0.4630

146.7055,
128.8995, 152.6932

 0.0000, 0.0000,
0.0000

182.0456,

162.0211, 190.7603

222.6489,
200.3798, 234.6802

■ 24.7336, 18.6231,
23.7637

■ 24.7336, 18.6231,
23.7637

■ 22.7564, 15.5948,
20.2492

■ 27.0966, 22.3393,
27.6640

■ 21.1408, 13.2086,
17.1055

■ 29.8644, 26.7800,
31.9620

■ 19.8621, 11.4173,
14.3178


■ 33.0568, 31.9827,
36.6707


■ 18.8918, 10.1658,
11.8696


■ 36.6917, 37.9811,
41.8017


■ 18.1958, 9.3888,
9.7422


■ 40.7859, 44.8072,
47.3662

 17.8029, 9.0113,
8.3519

 45.3554, 52.4911,
53.3751

 50.4152, 61.0612,
59.8387

 55.9799, 70.5450,
66.7670

 62.0634, 80.9685,
74.1696

Harmonies

Analogous

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



23.0056, 18.6231, 34.5599



24.7336, 18.6231, 23.7637



24.4069, 18.6231, 14.7607

Triad

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



24.7336, 18.6231, 23.7637



15.6519, 18.6231, 7.4875



13.8824, 18.6231, 37.5746

Complementary

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



24.7336, 18.6231, 23.7637



23.4918, 32.6671, 27.9905

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.



12.3514, 18.6231, 27.0214



24.7336, 18.6231, 23.7637



13.2813, 18.6231, 10.5976

Square

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



24.7336, 18.6231, 23.7637



18.8795, 18.6231, 7.1071



12.1460, 18.6231, 17.1499



16.5720, 18.6231, 44.0311

Rectangle

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



24.7336, 18.6231, 23.7637



23.0794, 18.6231, 10.7353



12.1460, 18.6231, 17.1499



13.2302, 18.6231, 34.2593

Sweetspot

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



24.7341, 18.6240, 23.7641



58.8185, 56.6489, 65.1201



21.3004, 16.4998, 39.5984



12.5425, 11.8929, 13.7903



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.



24.7341, 18.6240, 23.7641



40.9779, 28.2651, 36.6769



22.9070, 18.0719, 13.5913



7.6730, 7.5991, 8.5954



13.2950, 6.7267, 6.3651



0.3495, 0.1741, 0.2918

Inverse Universe

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



24.7341, 18.6240, 23.7641



40.9779, 28.2651, 36.6769



26.0575, 33.3378, 42.5977



7.6730, 7.5991, 8.5954



13.2950, 6.7267, 6.3651



0.3495, 0.1741, 0.2918

Previews

White Background



This preview shows how the XYZ color 24.7336, 18.6231, 23.7637 looks on a white background.

Color Contrast Check

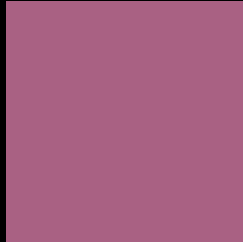
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7336, 18.6231, 23.7637 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 24.7336, 18.6231, 23.7637

Background



This preview shows how black text looks on a background with the XYZ color 24.7336, 18.6231, 23.7637.



This preview shows how white text looks on a background with the XYZ color 24.7336, 18.6231,

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

24.7336, 18.6231, 23.7637

Protanopia

18.6471, 18.8154, 29.4370

Deuteranopia

19.1597, 18.8703, 23.0546



Tritanopia

23.3503, 18.6270, 16.8327

Trichromacy



Original Color

24.7336, 18.6231, 23.7637

Protanomaly

20.2496, 18.3307, 27.2818

Deuteranomaly

20.8661, 18.5765, 23.2547

Tritanomaly

23.9165, 18.7235, 19.1831

Monochromacy



Original Color

24.7336, 18.6231, 23.7637

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.2543, 18.7799, 21.9594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7336, 18.6231, 23.7637 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(169, 97, 131)` looks like.

```
.text, #text, p{  
    color:rgb(169, 97, 131)  
}
```

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(169, 97, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 97, 131) }
```

Border

The CSS property to change the border of an element to XYZ 24.7336, 18.6231, 23.7637 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(169, 97, 131) }
```


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

```
.border{ border-color:rgb(169, 97, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 97, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 97, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 97, 131);  
box-shadow:4px 4px 4px 4px rgb(169, 97,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7336, 18.6231, 23.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 97, 131) }
```

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

```
.background{ background-color: rgb(169, 97,  
131) }
```

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