

Converting Colors

XYZ(19.9233, 12.4522, 25.2438)

Have a look what the booklet for
XYZ(19.9233, 12.4522, 25.2438)
contains.

XYZ(19.9384, 12.4703, 25.4009)	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(19.9384, 12.4703,
25.4009)**

Conversions

Conversions Part 1

Format	Color
Hex	9B408A
RGB	155, 64, 138
RGB Percent	61%, 25%, 54%
CMY	0.3922, 0.7490, 0.4588
CMYK	0.00, 0.59, 0.11, 0.39
HSL	311°, 42%, 43%
HSV	311°, 59%, 61%
XYZ	19.9384, 12.4703, 25.4009
YIQ	99.6450, 30.4820, 42.3060

Conversions

Conversions Part 2

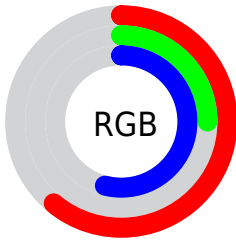
Format	Color
R_{YB}	155, 64, 138
Decimal	10174602
CIE _{Lab}	41.95, 47.29, -23.20
CIE _{LCh}	42, 52.672, 333.868
Yxy	12.4703, 0.3449, 0.2157
Android (android.graphics.Color)	4288364682 (0xFF9B408A)
YUV	99.6450, 18.9090, 48.5463
Hunter-Lab	35.3133, 38.9854, -17.9280

Details

The XYZ color **19.9384, 12.4703, 25.4009** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.3215, 25.1272, 11.8280**, and the grayscale version is **11.9714, 12.5948, 13.7157**.

A 20% lighter version of the original color is **43.0271, 30.5254, 53.4934**, and **7.1500, 3.5147, 9.5341** is the 20% darker color. If you saturate the color by 10%, you get **18.9759, 10.8762, 24.0595**, and if you desaturate by 10%, it is **21.1502, 14.5536, 26.8532**.

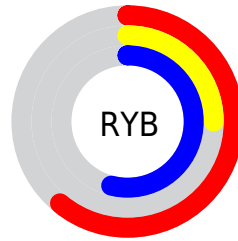
Distribution



Red (61%)

Green (25%)

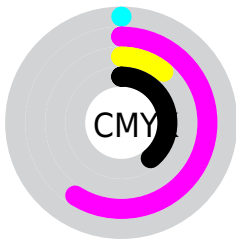
Blue (54%)



Red (61%)

Yellow (25%)

Blue (54%)

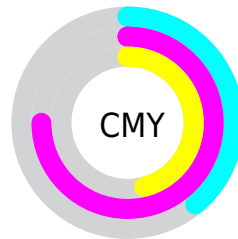


Cyan (0%)

Magenta (59%)

Yellow (11%)

Black (39%)



Cyan (39%)

Magenta (75%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9384, 12.4703, 25.4009 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 19.9384, 12.4703, 25.4009 by changing the saturation by 10% instead.

■ 19.9384, 12.4703,
25.4009

■ 19.9384, 12.4703,
25.4009

244.4214,
207.4944, 293.3399

■ 12.4583, 7.0648,
16.1543

■ 42.8186, 30.3488,
53.2790

■ 7.1310, 3.5027,
9.4778

■ 58.9494, 43.5906,
72.7476

■ 3.5912, 1.3995,
4.9531

■ 78.6945, 60.2134,
96.4605

■ 1.4736, 0.2163,
2.1615

■ 102.4192, 80.6014,
124.8364

■ 0.3078, 0.0000,
0.6520

■ 130.4889,
105.1391, 158.2937

■ 0.0000, 0.0000,
0.0000

163.2689,

134.2109, 197.2511

201.1246,
168.2012, 242.1270

■ 19.9384, 12.4703,
25.4009

■ 19.9384, 12.4703,
25.4009

■ 18.9759, 10.8762,
24.0595

■ 21.1502, 14.5536,
26.8532

■ 18.2408, 9.7282,
22.8211

■ 22.6285, 17.1611,
28.4220

■ 17.7094, 8.9787,
21.6778

■ 24.3902, 20.3265,
30.1134

■ 17.3323, 8.5293,
20.6129

■ 26.4507, 24.0801,
31.9325

■ 17.2864, 8.4761,
20.4781

■ 28.8240, 28.4503,
33.8843

■ 31.5234, 33.4633,
35.9734

■ 34.5614, 39.1441,
38.2041

■ 37.9497, 45.5162,
40.5807

■ 41.6996, 52.6020,
43.1069

Harmonies

Analogous

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



16.5411, 12.4703, 40.3491



19.9384, 12.4703, 25.4009



21.0171, 12.4703, 12.1804

Triad

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



19.9384, 12.4703, 25.4009



11.3540, 12.4703, 1.4466



6.6536, 12.4703, 29.4036

Complementary

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



19.9384, 12.4703, 25.4009



15.3215, 25.1272, 11.8280

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.



5.8355, 12.4703, 15.0787



19.9384, 12.4703, 25.4009



8.1461, 12.4703, 2.4141

Square

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



19.9384, 12.4703, 25.4009



15.4710, 12.4703, 1.9845



6.3153, 12.4703, 6.1466



8.8476, 12.4703, 43.4178

Rectangle

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



19.9384, 12.4703, 25.4009



20.1160, 12.4703, 6.6111



6.3153, 12.4703, 6.1466



6.2334, 12.4703, 24.2514

Sweetspot

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



19.9388, 12.4709, 25.4011



47.5115, 43.3839, 57.3075



11.1167, 7.7694, 31.9244



10.5116, 9.3761, 12.7635



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.



19.9388, 12.4709, 25.4011



33.5955, 18.8567, 42.4806



17.3191, 11.4230, 11.6062



6.4117, 6.3038, 7.5482



13.8974, 6.8132, 16.5165



0.2191, 0.1064, 0.3067

Inverse Universe

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



19.9388, 12.4709, 25.4011



33.5955, 18.8567, 42.4806



17.6139, 26.0442, 23.9000



6.4117, 6.3038, 7.5482



13.8974, 6.8132, 16.5165



0.2191, 0.1064, 0.3067

Previews

White Background



This preview shows how the XYZ color 19.9384, 12.4703, 25.4009 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

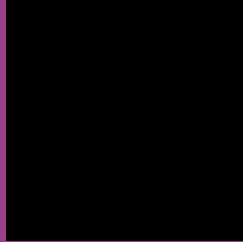
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9384, 12.4703, 25.4009

Background



This preview shows how black text looks on a background with the XYZ color 19.9384, 12.4703, 25.4009.



This preview shows how white text looks on a background with the XYZ color 19.9384, 12.4703,

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

19.9384, 12.4703, 25.4009

Protanopia

13.9231, 12.8663, 37.8260

Deuteranopia

12.8469, 12.6255, 23.5896



Tritanopia

16.7190, 12.4784, 9.9149

Trichromacy



Original Color

19.9384, 12.4703, 25.4009

Protanomaly

14.8080, 11.8807, 32.9652

Deuteranomaly

14.5703, 11.9542, 24.0937

Tritanomaly

17.6437, 12.3439, 14.5494

Monochromacy



Original Color

19.9384, 12.4703, 25.4009

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.1912, 12.0244, 17.4926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9384, 12.4703, 25.4009 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(155, 64, 138)` looks like.

```
.text, #text, p{  
    color:rgb(155, 64, 138)  
}
```

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(155, 64, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 64, 138) }
```

Border

The CSS property to change the border of an element to XYZ 19.9384, 12.4703, 25.4009 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(155, 64, 138) }
```


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

```
.border{ border-color:rgb(155, 64, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 64, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 64, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 64, 138);  
box-shadow:4px 4px 4px 4px rgb(155, 64,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9384, 12.4703, 25.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 64, 138) }
```

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

```
.background{ background-color: rgb(155, 64,  
138) }
```

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