

Converting Colors

XYZ(20.0054, 12.5116, 26.6379)

Have a look what the booklet for
XYZ(20.0054, 12.5116, 26.6379)
contains.

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Color

**XYZ(19.9675, 12.4599,
26.5519)**

Conversions

Conversions Part 1

Format	Color
Hex	9A408D
RGB	154, 64, 141
RGB Percent	60%, 25%, 55%
CMY	0.3961, 0.7490, 0.4471
CMYK	0.00, 0.58, 0.08, 0.40
HSL	309°, 41%, 43%
HSV	309°, 58%, 60%
XYZ	19.9675, 12.4599, 26.5519
YIQ	99.6880, 28.9230, 43.0270

Conversions

Conversions Part 2

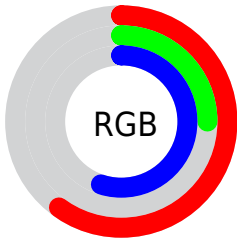
Format	Color
RYB	154, 64, 141
Decimal	10109069
CIELab	41.94, 47.50, -25.06
CIELCh	42, 53.706, 332.187
Yxy	12.4599, 0.3386, 0.2113
Android (android.graphics.Color)	4288299149 (0xFF9A408D)
YUV	99.6880, 20.3668, 47.6316
Hunter-Lab	35.2986, 39.2003, -19.8894

Details

The XYZ color **19.9675, 12.4599, 26.5519** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.0101, 24.7374, 11.0057**, and the grayscale version is **11.9790, 12.6028, 13.7245**.

A 20% lighter version of the original color is **42.7900, 30.3643, 55.2354**, and **7.1227, 3.4909, 9.9713** is the 20% darker color. If you saturate the color by 10%, you get **19.0522, 10.8913, 25.4384**, and if you desaturate by 10%, it is **21.1268, 14.5106, 27.7634**.

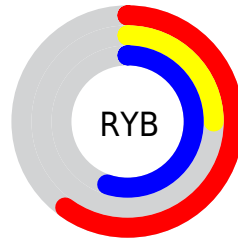
Distribution



Red (60%)

Green (25%)

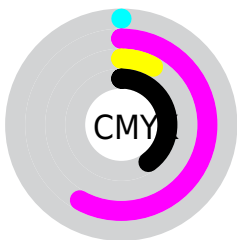
Blue (55%)



Red (60%)

Yellow (25%)

Blue (55%)

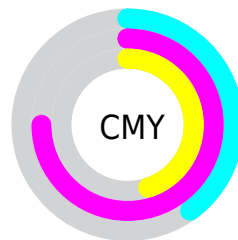


Cyan (0%)

Magenta (58%)

Yellow (8%)

Black (40%)



Cyan (40%)

Magenta (75%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9675, 12.4599, 26.5519 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 19.9675, 12.4599, 26.5519 by changing the saturation by 10% instead.

■ 19.9675, 12.4599,
26.5519

■ 19.9675, 12.4599,
26.5519

244.5760,
207.4266, 299.1721

■ 12.4795, 7.0577,
17.0075

■ 42.8670, 30.3300,
55.1589

■ 7.1457, 3.4982,
10.0778

■ 59.0094, 43.5667,
75.0587

■ 3.6005, 1.3970,
5.3443

■ 78.7672, 60.1837,
99.2473

■ 1.4787, 0.2145,
2.3884

■ 102.5058, 80.5653,
128.1433

■ 0.3113, 0.0000,
0.7801

■ 130.5907,
105.0960, 162.1652

■ 0.0000, 0.0000,
0.0000

163.3871,

134.1602, 201.7316

201.2604,
168.1423, 247.2611

■ 19.9675, 12.4599,
26.5519

■ 19.9675, 12.4599,
26.5519

■ 19.0522, 10.8913,
25.4384

■ 21.1268, 14.5106,
27.7634

■ 18.3593, 9.7625,
24.4152

■ 22.5467, 17.0776,
29.0781

■ 17.8656, 9.0267,
23.4746

■ 24.2441, 20.1940,
30.5019

■ 17.5245, 8.5910,
22.6010

■ 26.2338, 23.8897,
32.0399

■ 17.4746, 8.5293,
22.4672

■ 28.5297, 28.1923,
33.6967

■ 31.1448, 33.1278,
35.4768

■ 34.0913, 38.7207,
37.3842

■ 37.3808, 44.9939,
39.4231

■ 41.0242, 51.9696,
41.5971

Harmonies

Analogous

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



16.3968, 12.4599, 41.7900



19.9675, 12.4599, 26.5519



21.2360, 12.4599, 12.7487

Triad

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



19.9675, 12.4599, 26.5519



11.5536, 12.4599, 1.3444



6.4820, 12.4599, 28.8796

Complementary

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



19.9675, 12.4599, 26.5519



15.0101, 24.7374, 11.0057

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.



5.7310, 12.4599, 14.4189



19.9675, 12.4599, 26.5519



8.2212, 12.4599, 2.1960

Square

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



19.9675, 12.4599, 26.5519



15.7774, 12.4599, 1.9573



6.2888, 12.4599, 5.7039



8.6235, 12.4599, 43.5827

Rectangle

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



19.9675, 12.4599, 26.5519



20.4199, 12.4599, 6.8676



6.2888, 12.4599, 5.7039



6.0833, 12.4599, 23.6211

Sweetspot

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



19.9679, 12.4605, 26.5521



47.6858, 43.4537, 58.2253



10.6472, 7.5371, 31.4657



10.5566, 9.3941, 13.0008



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.



19.9679, 12.4605, 26.5521



34.1960, 19.0969, 45.6429



17.3180, 11.4005, 12.5978



6.4228, 6.3083, 7.6068



14.2470, 6.9530, 18.3575



0.2222, 0.1076, 0.3229

Inverse Universe

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



19.9679, 12.4605, 26.5521



34.1960, 19.0969, 45.6429



17.1216, 25.5820, 22.1252



6.4228, 6.3083, 7.6068



14.2470, 6.9530, 18.3575



0.2222, 0.1076, 0.3229

Previews

White Background



This preview shows how the XYZ color 19.9675, 12.4599, 26.5519 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

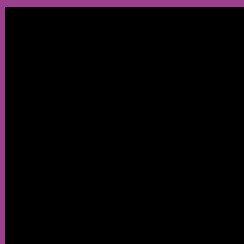
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9675, 12.4599, 26.5519

Background



This preview shows how black text looks on a background with the XYZ color 19.9675, 12.4599, 26.5519.



This preview shows how white text looks on a background with the XYZ color 19.9675, 12.4599,

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

19.9675, 12.4599, 26.5519

Protanopia

13.8904, 12.6792, 39.2513

Deuteranopia

12.8607, 12.6085, 24.6775



Tritanopia

16.6090, 12.5280, 9.9303

Trichromacy



Original Color

19.9675, 12.4599, 26.5519

Protanomaly

14.7620, 11.7095, 34.2830

Deuteranomaly

14.6532, 11.9724, 25.2055

Tritanomaly

17.5763, 12.4015, 14.8320

Monochromacy



Original Color

19.9675, 12.4599, 26.5519

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.2484, 12.0473, 17.7940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9675, 12.4599, 26.5519 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(154, 64, 141)` looks like.

```
.text, #text, p{  
    color:rgb(154, 64, 141)  
}
```

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(154, 64, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 64, 141) }
```

Border

The CSS property to change the border of an element to XYZ 19.9675, 12.4599, 26.5519 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(154, 64, 141) }
```


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

```
.border{ border-color:rgb(154, 64, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 64, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 64, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 64, 141);  
box-shadow:4px 4px 4px 4px rgb(154, 64,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9675, 12.4599, 26.5519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 64, 141) }
```

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

```
.background{ background-color: rgb(154, 64,  
141) }
```

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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