

Converting Colors

XYZ(19.8586, 12.5136, 26.5993)

Have a look what the booklet for
XYZ(19.8586, 12.5136, 26.5993)
contains.

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Color

**XYZ(19.8349, 12.4760,
26.5620)**

Conversions

Conversions Part 1

Format	Color
Hex	99418D
RGB	153, 65, 141
RGB Percent	60%, 25%, 55%
CMY	0.4000, 0.7451, 0.4471
CMYK	0.00, 0.58, 0.08, 0.40
HSL	308°, 40%, 43%
HSV	308°, 58%, 60%
XYZ	19.8349, 12.4760, 26.5620
YIQ	99.9760, 28.0520, 42.2920

Conversions

Conversions Part 2

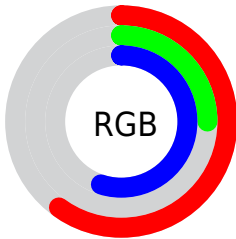
Format	Color
R_{YB}	153, 65, 141
Decimal	10043789
CIE _{Lab}	41.96, 46.73, -25.03
CIE _{LCh}	42, 53.016, 331.826
Yxy	12.4760, 0.3369, 0.2119
Android (android.graphics.Color)	4288233869 (0xFF99418D)
YUV	99.9760, 20.2248, 46.5020
Hunter-Lab	35.3214, 38.4252, -19.8617

Details

The XYZ color **19.8349, 12.4760, 26.5620** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.9114, 24.4426, 10.9540**, and the grayscale version is **12.0526, 12.6803, 13.8088**.

A 20% lighter version of the original color is **42.5061, 30.2180, 55.2221**, and **7.0345, 3.4777, 9.9734** is the 20% darker color. If you saturate the color by 10%, you get **18.9189, 10.8899, 25.4980**, and if you desaturate by 10%, it is **20.9925, 14.5402, 27.7213**.

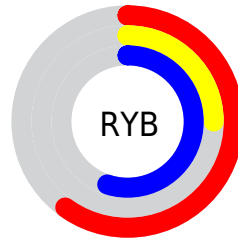
Distribution



Red (60%)

Green (25%)

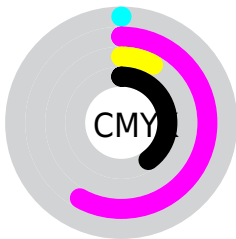
Blue (55%)



Red (60%)

Yellow (25%)

Blue (55%)

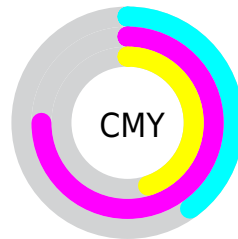


Cyan (0%)

Magenta (58%)

Yellow (8%)

Black (40%)



Cyan (40%)

Magenta (75%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8349, 12.4760, 26.5620 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 19.8349, 12.4760, 26.5620 by changing the saturation by 10% instead.

■ 19.8349, 12.4760,
26.5620

■ 19.8349, 12.4760,
26.5620

243.8706,
207.5316, 299.2229

■ 12.3827, 7.0687,
17.0150

■ 42.6463, 30.3591,
55.1754

■ 7.0789, 3.5051,
10.0831

■ 58.7361, 43.6038,
75.0789

■ 3.5583, 1.4008,
5.3478

■ 78.4358, 60.2297,
99.2716

■ 1.4554, 0.2173,
2.3904

■ 102.1108, 80.6212,
128.1721

■ 0.2952, 0.0000,
0.7812

■ 130.1265,
105.1627, 162.1990

■ 0.0000, 0.0000,
0.0000

162.8480,

134.2387, 201.7707

200.6410,
168.2335, 247.3058

■ 19.8349, 12.4760,
26.5620

■ 19.8349, 12.4760,
26.5620

■ 18.9189, 10.8899,
25.4980

■ 20.9925, 14.5402,
27.7213

■ 18.2237, 9.7409,
24.5217

■ 22.4081, 17.1158,
28.9809

■ 17.7266, 8.9836,
23.6258

■ 24.0980, 20.2352,
30.3465

■ 17.3881, 8.5389,
22.7970

■ 26.0766, 23.9275,
31.8231

■ 17.3112, 8.4420,
22.5955

■ 28.3577, 28.2198,
33.4153

■ 30.9538, 33.1375,
35.1272

■ 33.8770, 38.7044,
36.9631

■ 37.1385, 44.9432,
38.9267

■ 40.7492, 51.8755,
41.0218

Harmonies

Analogous

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



16.3010, 12.4760, 41.4768



19.8349, 12.4760, 26.5620



21.1165, 12.4760, 12.9069

Triad

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



19.8349, 12.4760, 26.5620



11.6191, 12.4760, 1.4083



6.5311, 12.4760, 28.4719

Complementary

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



19.8349, 12.4760, 26.5620



14.9114, 24.4426, 10.9540

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.



5.8002, 12.4760, 14.2849



19.8349, 12.4760, 26.5620



8.3061, 12.4760, 2.2510

Square

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



19.8349, 12.4760, 26.5620



15.7913, 12.4760, 2.0494



6.3708, 12.4760, 5.7200



8.6391, 12.4760, 42.9437

Rectangle

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



19.8349, 12.4760, 26.5620



20.3369, 12.4760, 7.0275



6.3708, 12.4760, 5.7200



6.1401, 12.4760, 23.3117

Sweetspot

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



19.8353, 12.4766, 26.5623



46.7676, 42.9781, 57.0398



10.6798, 7.6479, 31.0507



10.1769, 9.2093, 12.4864



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.8353, 12.4766, 26.5623



33.4878, 18.8395, 45.1497



17.1978, 11.4216, 12.6735



6.4250, 6.3091, 7.6180



14.3162, 6.9807, 18.7218



0.2228, 0.1079, 0.3260

Inverse Universe

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



19.8353, 12.4766, 26.5623



33.4878, 18.8395, 45.1497



17.0066, 25.2807, 21.9875



6.4250, 6.3091, 7.6180



14.3162, 6.9807, 18.7218



0.2228, 0.1079, 0.3260

Previews

White Background



This preview shows how the XYZ color 19.8349, 12.4760, 26.5620 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



This preview shows how the XYZ color 19.8349, 12.4760, 26.5620 looks on a 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 19.8349, 12.4760, 26.5620

Background



This preview shows how black text looks on a background with the XYZ color 19.8349, 12.4760, 26.5620.



This preview shows how white text looks on a background with the XYZ color 19.8349, 12.4760,

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

19.8349, 12.4760, 26.5620

Protanopia

13.8684, 12.6786, 38.7621

Deuteranopia

12.8607, 12.6085, 24.6775



Tritanopia

16.4683, 12.4509, 10.1296

Trichromacy



Original Color

19.8349, 12.4760, 26.5620

Protanomaly

14.6756, 11.6749, 33.8278

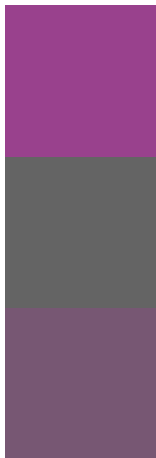
Deuteranomaly

14.5252, 11.9065, 25.1995

Tritanomaly

17.3930, 12.3070, 14.8234

Monochromacy



Original Color

19.8349, 12.4760, 26.5620

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.1105, 11.9761, 17.7876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8349, 12.4760, 26.5620 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(153, 65, 141)` looks like.

```
.text, #text, p{  
    color:rgb(153, 65, 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(153, 65, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 65, 141) }
```

Border

The CSS property to change the border of an element to XYZ 19.8349, 12.4760, 26.5620 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(153, 65, 141) }
```


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

```
.border{ border-color:rgb(153, 65, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 65, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 65, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 65, 141);  
box-shadow:4px 4px 4px 4px rgb(153, 65,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8349, 12.4760, 26.5620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 65, 141) }
```

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

```
.background{ background-color: rgb(153, 65,  
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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