

Converting Colors

XYZ(18.0851, 12.0259, 9.9624)

Have a look what the booklet for
XYZ(18.0851, 12.0259, 9.9624)
contains.

XYZ(18.0851, 12.0259, 9.9624)	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(18.0851, 12.0259,
9.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	A04255
RGB	160, 66, 85
RGB Percent	63%, 26%, 33%
CMY	0.3726, 0.7412, 0.6667
CMYK	0.00, 0.59, 0.47, 0.37
HSL	348°, 42%, 44%
HSV	348°, 59%, 63%
XYZ	18.0851, 12.0259, 9.9624
YIQ	96.2720, 49.9250, 25.8370

Conversions

Conversions Part 2

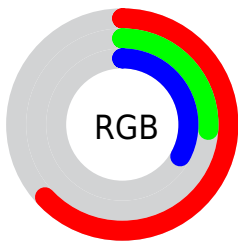
Format	Color
R_{YB}	160, 66, 85
Decimal	10502741
CIE _{Lab}	41.26, 40.79, 8.60
CIE _{LCh}	41, 41.681, 11.903
Yxy	12.0259, 0.4513, 0.3001
Android (android.graphics.Color)	4288692821 (0xFFA04255)
YUV	96.2720, -5.5571, 55.8895
Hunter-Lab	34.6784, 32.4023, 7.2420

Details

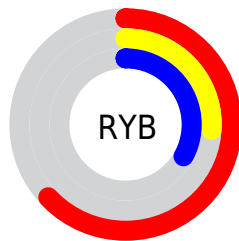
The XYZ color **18.0851, 12.0259, 9.9624** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.6260, 28.2232, 29.6144**, and the grayscale version is **11.1893, 11.7721, 12.8198**.

A 20% lighter version of the original color is **39.6950, 29.5835, 26.1723**, and **6.2005, 3.3133, 2.3202** is the 20% darker color. If you saturate the color by 10%, you get **16.8153, 10.2262, 7.2586**, and if you desaturate by 10%, it is **19.7085, 14.3865, 13.2358**.

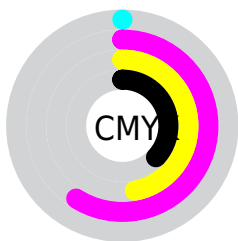
Distribution



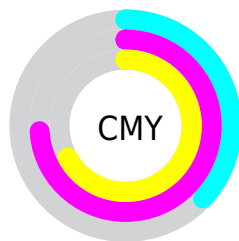
- Red (63%)
- Green (26%)
- Blue (33%)



- Red (63%)
- Yellow (26%)
- Blue (33%)



- Cyan (0%)
- Magenta (59%)
- Yellow (47%)
- Black (37%)



- Cyan (37%)
- Magenta (74%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0851, 12.0259, 9.9624 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 18.0851, 12.0259, 9.9624 by changing the saturation by 10% instead.

■ 18.0851, 12.0259,
9.9624

■ 18.0851, 12.0259,
9.9624

234.3866,
204.5767, 200.8786

■ 11.1112, 6.7613,
5.2688

■ 39.7112, 29.5423,
26.3315

■ 6.2095, 3.3133,
2.3443

■ 55.0941, 42.5628,
38.8440

■ 3.0148, 1.2974,
0.7559

■ 74.0107, 58.9375,
54.7998

■ 1.1616, 0.1392,
0.0000

■ 96.8264, 79.0508,
74.6176

■ 0.0757, 0.0000,
0.0000

■ 123.9064,
103.2869, 98.7158

■ 0.0000, 0.0000,
0.0000

155.6162,

132.0303, 127.5130

192.3212,
165.6655, 161.4278

■ 18.0851, 12.0259,
9.9624

■ 18.0851, 12.0259,
9.9624

■ 16.8153, 10.2262,
7.2586

■ 19.7085, 14.3865,
13.2358

■ 15.8709, 8.9386,
5.0904

■ 21.7090, 17.3474,
17.1089

■ 15.2206, 8.1092,
3.4208

■ 24.1091, 20.9471,
21.6101

■ 14.8067, 7.6322,
2.2012

■ 26.9292, 25.2198,
26.7661

■ 14.7624, 7.5797,
2.0754

■ 30.1884, 30.1977,
32.6018

■ 33.9046, 35.9106,
39.1409

■ 38.0944, 42.3869,
46.4058

■ 42.7741, 49.6532,
54.4182

■ 47.9587, 57.7349,
63.1986

Harmonies

Analogous

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



17.8661, 12.0259, 18.9513



18.0851, 12.0259, 9.9624



16.3051, 12.0259, 4.8469

Triad

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



18.0851, 12.0259, 9.9624



7.9823, 12.0259, 4.2226



9.7241, 12.0259, 36.0333

Complementary

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



18.0851, 12.0259, 9.9624



19.6260, 28.2232, 29.6144

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.



7.6390, 12.0259, 27.5888



18.0851, 12.0259, 9.9624



6.7618, 12.0259, 8.5884

Square

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



18.0851, 12.0259, 9.9624



10.2769, 12.0259, 2.6465



6.6484, 12.0259, 16.8218



12.6669, 12.0259, 36.9518

Rectangle

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



18.0851, 12.0259, 9.9624



14.3804, 12.0259, 3.2359



6.6484, 12.0259, 16.8218



8.9140, 12.0259, 33.8517

Sweetspot

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



18.0854, 12.0265, 9.9626



49.1167, 46.1280, 48.9988



19.0474, 11.9789, 34.5658



10.4440, 9.6179, 10.1518



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.0854, 12.0265, 9.9626



30.0307, 17.8732, 12.0633



19.3633, 15.6322, 7.1519



6.6852, 6.6670, 7.1932



11.5131, 5.9098, 1.6871



0.2189, 0.1109, 0.0987

Inverse Universe

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



18.0854, 12.0265, 9.9626



30.0307, 17.8732, 12.0633



17.0303, 20.5725, 36.3309



6.6852, 6.6670, 7.1932



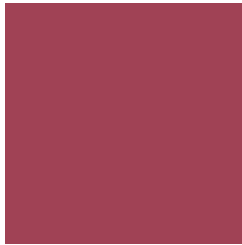
11.5131, 5.9098, 1.6871



0.2189, 0.1109, 0.0987

Previews

White Background



This preview shows how the XYZ color 18.0851, 12.0259, 9.9624 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 18.0851, 12.0259, 9.9624 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 18.0851, 12.0259, 9.9624

Background



This preview shows how black text looks on a background with the XYZ color 18.0851, 12.0259, 9.9624.



This preview shows how white text looks on a background with the XYZ color 18.0851, 12.0259,

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

18.0851, 12.0259, 9.9624

Protanopia

11.8186, 12.1613, 14.2948

Deuteranopia

12.4273, 12.1769, 9.4800



Tritanopia

17.5678, 11.9862, 7.6910

Trichromacy



Original Color

18.0851, 12.0259, 9.9624

Protanomaly

13.3243, 11.5651, 12.5963

Deuteranomaly

14.0534, 11.7751, 9.5148

Tritanomaly

17.6448, 11.9211, 8.3922

Monochromacy



Original Color

18.0851, 12.0259, 9.9624

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.7880, 11.1916, 11.6114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0851, 12.0259, 9.9624 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(160, 66, 85)` looks like.

```
.text, #text, p{  
    color:rgb(160, 66, 85)  
}
```

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(160, 66, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 66, 85) }
```

Border

The CSS property to change the border of an element to XYZ 18.0851, 12.0259, 9.9624 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(160, 66, 85) }
```


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

```
.border{ border-color:rgb(160, 66, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 66, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 66, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 66, 85);  
box-shadow:4px 4px 4px 4px rgb(160, 66,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0851, 12.0259, 9.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 66, 85) }
```

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

```
.background{ background-color: rgb(160, 66,  
85) }
```

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