

Converting Colors

XYZ(18.9072, 25.1043, 9.8103)

Have a look what the booklet for
XYZ(18.9072, 25.1043, 9.8103)
contains.

XYZ(18.9072, 25.1043, 9.8103)	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(18.9072, 25.1043,
9.8103)**

Conversions

Conversions Part 1

Format	Color
Hex	759347
RGB	117, 147, 71
RGB Percent	46%, 58%, 28%
CMY	0.5412, 0.4235, 0.7216
CMYK	0.20, 0.00, 0.52, 0.42
HSL	84°, 35%, 43%
HSV	84°, 52%, 58%
XYZ	18.9072, 25.1043, 9.8103
YIQ	129.3660, 6.5160, -29.9960

Conversions

Conversions Part 2

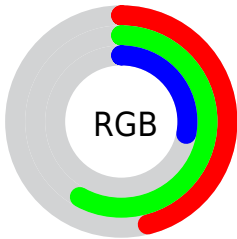
Format	Color
R_{YB}	71, 147, 101
Decimal	7705415
CIE _{Lab}	57.18, -23.54, 36.51
CIE _{LCh}	57, 43.438, 122.816
Yxy	25.1043, 0.3513, 0.4664
Android (android.graphics.Color)	4285895495 (0xFF759347)
YUV	129.3660, -28.7744, -10.8450
Hunter-Lab	50.1042, -20.3240, 23.4641

Details

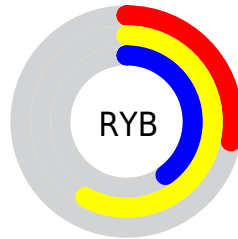
The XYZ color **18.9072, 25.1043, 9.8103** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.8875, 9.3804, 28.7366**, and the grayscale version is **21.0916, 22.1900, 24.1649**.

A 20% lighter version of the original color is **41.1324, 51.8117, 25.9219**, and **6.5745, 9.5819, 2.2620** is the 20% darker color. If you saturate the color by 10%, you get **17.7358, 24.5493, 7.5839**, and if you desaturate by 10%, it is **20.2423, 25.7321, 12.6412**.

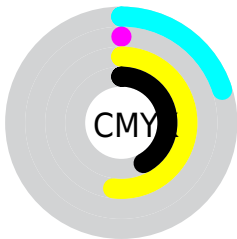
Distribution



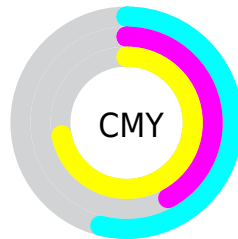
- Red (46%)
- Green (58%)
- Blue (28%)



- Red (28%)
- Yellow (58%)
- Blue (40%)



- Cyan (20%)
- Magenta (0%)
- Yellow (52%)
- Black (42%)





- Cyan (54%)
- Magenta (42%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9072, 25.1043, 9.8103 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 18.9072, 25.1043, 9.8103 by changing the saturation by 10% instead.


 18.9072, 25.1043,
9.8103


 18.9072, 25.1043,
9.8103


238.8839,
278.3570, 199.7481


 11.7069, 16.1548,
5.1694


 41.0953, 51.8264,
26.0403


 6.6152, 9.6337,
2.2865


 56.8138, 70.3677,
38.4665

 3.2668, 5.1568,
0.7237

 76.1024, 92.8751,
54.3248

 1.2964, 2.3396,
0.0000

 99.3264, 119.7330,
74.0339

 0.1805, 0.7945,
0.0000

 126.8512,
151.3257, 98.0122

 0.0000, 0.0000,
0.0000

159.0421,

188.0377, 126.6783

196.2646,
230.2533, 160.4508

■ 18.9072, 25.1043,
9.8103

■ 18.9072, 25.1043,
9.8103

■ 17.7358, 24.5493,
7.5839

■ 20.2423, 25.7321,
12.6412

■ 16.7171, 24.0600,
5.9162

■ 21.7477, 26.4328,
16.1148

■ 15.8413, 23.6332,
4.7577

■ 23.4317, 27.2108,
20.2680

■ 15.0962, 23.2640,
4.0490

■ 25.3015, 28.0690,
25.1343

■ 14.5513, 22.9909,
3.6708

■ 27.3639, 29.0101,
30.7451

■ 29.6252, 30.0369,
37.1301

■ 32.0915, 31.1517,
44.3170

■ 34.7684, 32.3571,
52.3325

■ 37.6617, 33.6553,
61.2018

Harmonies

Analogous

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



23.3799, 25.1043, 7.7209



18.9072, 25.1043, 9.8103



16.1221, 25.1043, 16.3585

Triad

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



18.9072, 25.1043, 9.8103



19.6346, 25.1043, 60.9253



35.1235, 25.1043, 25.9706

Complementary

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



18.9072, 25.1043, 9.8103



12.8875, 9.3804, 28.7366

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.



33.7482, 25.1043, 42.3676



18.9072, 25.1043, 9.8103



24.3485, 25.1043, 66.3412

Square

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



18.9072, 25.1043, 9.8103



16.4979, 25.1043, 45.6672



29.6120, 25.1043, 58.5891



33.1416, 25.1043, 14.7111

Rectangle

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



18.9072, 25.1043, 9.8103



15.3557, 25.1043, 23.9534



29.6120, 25.1043, 58.5891



35.0388, 25.1043, 31.0192

Sweetspot

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



18.9078, 25.1054, 9.8108



43.7173, 49.5356, 40.8138



17.7409, 15.7988, 8.0760



9.8389, 11.2433, 8.9516



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.9078, 25.1054, 9.8108



31.4558, 43.8165, 13.0465



14.8688, 23.0232, 9.6218



6.0460, 6.6316, 6.2018



12.6428, 19.9455, 3.1835



0.1880, 0.2613, 0.0405

Inverse Universe

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



12.8875, 9.3804, 28.7366



19.4672, 12.4514, 50.8119



18.0240, 12.0284, 28.9769



5.7032, 5.7380, 7.2767



6.1065, 2.6206, 24.1150



0.1063, 0.0483, 0.2966

Previews

White Background



This preview shows how the XYZ color 18.9072, 25.1043, 9.8103 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 18.9072, 25.1043, 9.8103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

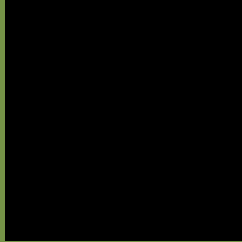
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9072, 25.1043, 9.8103

Background



This preview shows how black text looks on a background with the XYZ color 18.9072, 25.1043, 9.8103.



This preview shows how white text looks on a background with the XYZ color 18.9072, 25.1043,

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

18.9072, 25.1043, 9.8103

Protanopia

22.7515, 24.8880, 9.0736

Deuteranopia

25.3226, 24.9561, 10.1390



Tritanopia

23.2657, 24.8589, 32.0058

Trichromacy



Original Color

18.9072, 25.1043, 9.8103

Protanomaly

21.2465, 24.9684, 9.3298

Deuteranomaly

22.5761, 24.7753, 10.0708

Tritanomaly

21.1444, 24.6412, 21.7310

Monochromacy



Original Color

18.9072, 25.1043, 9.8103

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9684, 23.0510, 17.5842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9072, 25.1043, 9.8103 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(117, 147, 71)` looks like.

```
.text, #text, p{  
    color:rgb(117, 147, 71)  
}
```

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(117, 147, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 147, 71) }
```

Border

The CSS property to change the border of an element to XYZ 18.9072, 25.1043, 9.8103 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(117, 147, 71) }
```


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

```
.border{ border-color:rgb(117, 147, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 147, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 147, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 147, 71);  
box-shadow:4px 4px 4px 4px rgb(117, 147,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9072, 25.1043, 9.8103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 147, 71) }
```

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

```
.background{ background-color: rgb(117,  
147, 71) }
```

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