

Converting Colors

XYZ(24.5143, 29.8401, 7.7066)

Have a look what the booklet for
XYZ(24.5143, 29.8401, 7.7066)
contains.

XYZ(24.3882, 29.6550, 7.6874)	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(24.3882, 29.6550,
7.6874)**

Conversions

Conversions Part 1

Format	Color
Hex	949A34
RGB	148, 154, 52
RGB Percent	58%, 60%, 20%
CMY	0.4196, 0.3961, 0.7961
CMYK	0.04, 0.00, 0.66, 0.40
HSL	64°, 50%, 40%
HSV	64°, 66%, 60%
XYZ	24.3882, 29.6550, 7.6874
YIQ	140.5780, 29.1660, -32.9940

Conversions

Conversions Part 2

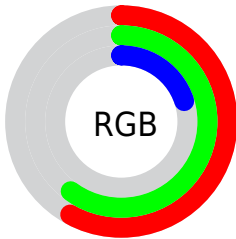
Format	Color
RYB	52, 154, 58
Decimal	9738804
CIELab	61.36, -15.70, 50.71
CIElCh	61, 53.086, 107.207
Yxy	29.6550, 0.3951, 0.4804
Android (android.graphics.Color)	4287928884 (0xFF949A34)
YUV	140.5780, -43.6690, 6.5091
Hunter-Lab	54.4564, -15.3578, 29.7497

Details

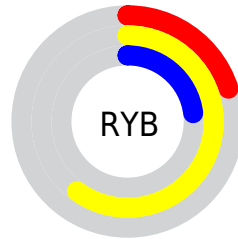
The XYZ color **24.3882, 29.6550, 7.6874** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.8065, 5.6893, 31.2076**, and the grayscale version is **25.3103, 26.6284, 28.9983**.

A 20% lighter version of the original color is **49.9564, 58.9486, 21.8419**, and **9.4663, 12.0802, 1.8328** is the 20% darker color. If you saturate the color by 10%, you get **23.9334, 29.4553, 6.1418**, and if you desaturate by 10%, it is **24.9589, 29.9034, 9.8304**.

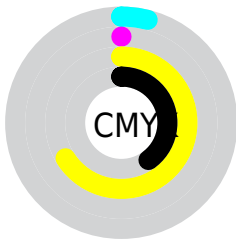
Distribution



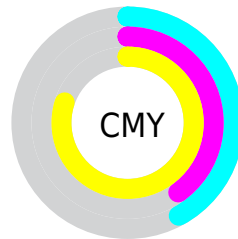
- Red (58%)
- Green (60%)
- Blue (20%)



- Red (20%)
- Yellow (60%)
- Blue (23%)



- Cyan (4%)
- Magenta (0%)
- Yellow (66%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3882, 29.6550, 7.6874 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 24.3882, 29.6550, 7.6874 by changing the saturation by 10% instead.

■ 24.3882, 29.6550,
7.6874

■ 24.3882, 29.6550,
7.6874

267.1815,
300.2930, 183.1012

■ 15.7481, 19.5769,
3.8107

■ 50.1130, 59.1162,
21.8793

■ 9.4358, 12.0878,
1.5221

■ 67.9285, 79.2680,
33.0315

■ 5.0859, 6.8035,
0.2343

■ 89.5331, 103.5465,
47.4460

■ 2.3330, 3.3395,
0.0000

■ 115.2923,
132.3360, 65.5413

■ 0.8115, 1.3115,
0.0000

■ 145.5714,
166.0211, 87.7359

■ 0.0000, 0.1501,
0.0000

■ 180.7357,

■ 0.0000, 0.0000,

204.9860, 114.4484

0.0000

221.1506,
249.6152, 146.0974

■ 24.3882, 29.6550,
7.6874

■ 24.3882, 29.6550,
7.6874

■ 23.9334, 29.4553,
6.1418

■ 24.9589, 29.9034,
9.8304

■ 23.5808, 29.2955,
5.1311

■ 25.6533, 30.2003,
12.6212

■ 23.3146, 29.1705,
4.5683

■ 26.4810, 30.5507,
16.1071

■ 23.2225, 29.1267,
4.3981

■ 27.4501, 30.9578,
20.3306

■ 28.5678, 31.4245,
25.3305

■ 29.8412, 31.9537,
31.1433

■ 31.2767, 32.5478,
37.8027

■ 32.8804, 33.2093,
45.3409

■ 34.6580, 33.9406,
53.7882

Harmonies

Analogous

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



31.2736, 29.6550, 7.3959



24.3882, 29.6550, 7.6874



19.4163, 29.6550, 12.5403

Triad

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



24.3882, 29.6550, 7.6874



19.9938, 29.6550, 69.6508



43.4586, 29.6550, 41.6013

Complementary

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



24.3882, 29.6550, 7.6874



8.8065, 5.6893, 31.2076

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.



39.2645, 29.6550, 66.2037



24.3882, 29.6550, 7.6874



25.3090, 29.6550, 86.3709

Square

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



24.3882, 29.6550, 7.6874



17.1827, 29.6550, 45.0909



32.3593, 29.6550, 84.8983



43.1014, 29.6550, 22.1736

Rectangle

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



24.3882, 29.6550, 7.6874



17.5073, 29.6550, 19.5373



32.3593, 29.6550, 84.8983



42.5085, 29.6550, 49.6477

Sweetspot

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



24.3889, 29.6564, 7.6880



51.0129, 56.7151, 42.0507



15.4153, 10.0549, 4.3775



11.4269, 12.7873, 8.9837



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.



24.3889, 29.6564, 7.6880



43.1742, 53.3700, 10.2451



17.2028, 25.9518, 7.3517



6.6730, 7.2044, 6.6447



18.9295, 23.7344, 3.5835



0.2924, 0.3597, 0.0540

Inverse Universe

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



8.8065, 5.6893, 31.2076



12.8338, 6.6373, 56.1410



13.2582, 7.9841, 31.4159



5.9165, 6.0428, 7.7835



4.8554, 1.9541, 25.0290



0.0804, 0.0333, 0.3746

Previews

White Background



This preview shows how the XYZ color 24.3882, 29.6550, 7.6874 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 24.3882, 29.6550, 7.6874 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 24.3882, 29.6550, 7.6874

Background



This preview shows how black text looks on a background with the XYZ color 24.3882, 29.6550, 7.6874.



This preview shows how white text looks on a background with the XYZ color 24.3882, 29.6550,

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

24.3882, 29.6550, 7.6874

Protanopia

26.8915, 29.5171, 7.2976

Deuteranopia

30.0306, 29.5355, 7.9890



Tritanopia

29.9902, 29.5822, 35.1396

Trichromacy



Original Color

24.3882, 29.6550, 7.6874

Protanomaly

25.8020, 29.4226, 7.4512

Deuteranomaly

27.7631, 29.4915, 7.8436

Tritanomaly

27.1863, 29.3578, 21.3733

Monochromacy



Original Color

24.3882, 29.6550, 7.6874

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.5408, 27.5912, 18.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3882, 29.6550, 7.6874 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(148, 154, 52)` looks like.

```
.text, #text, p{  
    color:rgb(148, 154, 52)  
}
```

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(148, 154, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 154, 52) }
```

Border

The CSS property to change the border of an element to XYZ 24.3882, 29.6550, 7.6874 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(148, 154, 52) }
```


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

```
.border{ border-color:rgb(148, 154, 52) }
```

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

Here you see how a box with a 4 pixel rgb(148, 154, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 154, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 154, 52);  
box-shadow:4px 4px 4px 4px rgb(148, 154,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3882, 29.6550, 7.6874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 154, 52) }
```

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

```
.background{ background-color: rgb(148,  
154, 52) }
```

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