

Converting Colors

XYZ(12.7462, 24.3898, 7.6463)

Have a look what the booklet for
XYZ(12.7462, 24.3898, 7.6463)
contains.

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Color

**XYZ(12.7466, 24.3898,
7.6503)**

Conversions

Conversions Part 1

Format	Color
Hex	009D37
RGB	0, 157, 55
RGB Percent	0%, 62%, 22%
CMY	1.0000, 0.3843, 0.7843
CMYK	1.00, 0.00, 0.65, 0.38
HSL	141°, 100%, 31%
HSV	141°, 100%, 62%
XYZ	12.7466, 24.3898, 7.6503
YIQ	98.4290, -60.8300, -65.0060

Conversions

Conversions Part 2

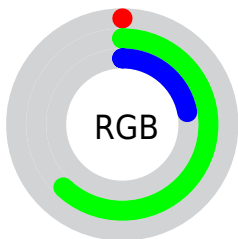
Format	Color
RYB	0, 116, 157
Decimal	40247
CIELab	56.48, -56.47, 42.43
CIELCh	56, 70.631, 143.078
Yxy	24.3898, 0.2846, 0.5446
Android (android.graphics.Color)	4278230327 (0xFF009D37)
YUV	98.4290, -21.4105, -86.3222
Hunter-Lab	49.3860, -40.3545, 25.3857

Details

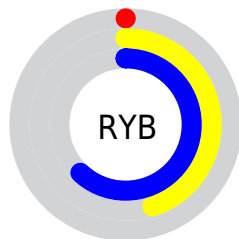
The XYZ color **12.7466, 24.3898, 7.6503** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.3038, 8.1280, 13.2815**, and the grayscale version is **11.7801, 12.3936, 13.4966**.

A 20% lighter version of the original color is **30.5156, 50.7530, 21.8236**, and **4.9503, 9.9006, 1.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.7470, 24.3907, 7.6503**, and if you desaturate by 10%, it is **13.2262, 24.6065, 9.0844**.

Distribution



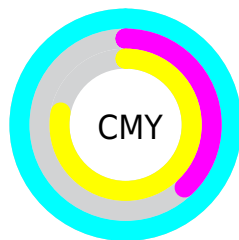
- Red (0%)
- Green (62%)
- Blue (22%)



- Red (0%)
- Yellow (45%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7466, 24.3898, 7.6503 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 12.7466, 24.3898, 7.6503 by changing the saturation by 10% instead.


 12.7466, 24.3898,
7.6503


 12.7466, 24.3898,
7.6503


202.9578,
274.7853, 182.7938


 7.3301, 15.6230,
3.7875


 30.4530, 50.6656,
21.8047


 3.7175, 9.2578,
1.5095


 43.4736, 68.9433,
32.9334

 1.5436, 4.9097,
0.2250

 59.7595, 91.1602,
47.3211

 0.3552, 2.1944,
0.0000

 79.6763, 117.7006,
65.3863

 0.0000, 0.7169,
0.0000

 103.5891,
148.9489, 87.5477

 0.0000, 0.0000,
0.0000

 131.8634,

185.2896, 114.2237

164.8645,
227.1069, 145.8329

■ 12.7466, 24.3898,
7.6503

■ 12.7466, 24.3898,
7.6503

■ 12.7470, 24.3907,
7.6503

■ 13.2262, 24.6065,
9.0844

■ 13.9187, 24.9261,
10.8069

■ 14.8985, 25.3873,
12.8357

■ 16.1974, 26.0063,
15.1852

■ 17.8429, 26.7968,
17.8689

■ 19.8592, 27.7713,
20.8994

■ 22.2686, 28.9409,
24.2887

■ 25.0912, 30.3157,
28.0481

■ 28.3458, 31.9052,
32.1886

Harmonies

Analogous

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



17.5485, 24.3898, 2.9369



12.7466, 24.3898, 7.6503



10.8139, 24.3898, 21.4903

Triad

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



12.7466, 24.3898, 7.6503



21.3379, 24.3898, 101.0353



40.8647, 24.3898, 12.5269

Complementary

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



12.7466, 24.3898, 7.6503



16.3038, 8.1280, 13.2815

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.



42.5565, 24.3898, 32.3619



12.7466, 24.3898, 7.6503



29.9075, 24.3898, 93.2612

Square

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



12.7466, 24.3898, 7.6503



14.9609, 24.3898, 81.2753



38.1612, 24.3898, 63.8337



33.9686, 24.3898, 4.3732

Rectangle

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



12.7466, 24.3898, 7.6503



10.9912, 24.3898, 38.1045



38.1612, 24.3898, 63.8337



42.1184, 24.3898, 17.6146

Sweetspot

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



12.7472, 24.3908, 7.6509



39.6084, 51.6965, 43.1259



17.5431, 26.9428, 4.2761



8.3302, 11.1883, 8.9552



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.



12.7472, 24.3908, 7.6509



22.7451, 43.6466, 13.2652



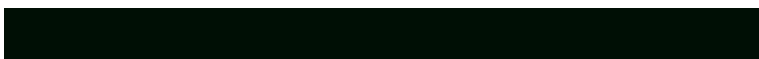
16.3226, 25.8209, 26.4785



6.6419, 7.4375, 7.5489



10.3687, 19.8154, 6.2986



0.2045, 0.3619, 0.2130

Inverse Universe

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



16.3038, 8.1280, 13.2815



29.1036, 14.5181, 23.2916



14.0655, 7.2326, 1.4948



6.8054, 6.7151, 7.8262



13.2590, 6.6082, 10.8808



0.2564, 0.1259, 0.2962

Previews

White Background



This preview shows how the XYZ color 12.7466, 24.3898, 7.6503 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 12.7466, 24.3898, 7.6503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

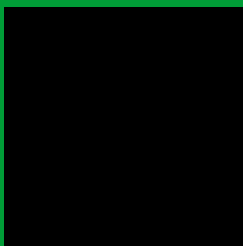
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

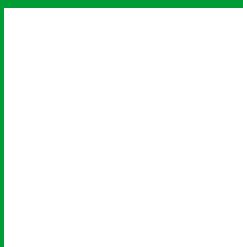
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7466, 24.3898, 7.6503

Background



This preview shows how black text looks on a background with the XYZ color 12.7466, 24.3898, 7.6503.



This preview shows how white text looks on a background with the XYZ color 12.7466, 24.3898,

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

12.7466, 24.3898, 7.6503

Protanopia

21.7960, 24.0337, 6.3959

Deuteranopia

24.3705, 23.9155, 8.1822



Tritanopia

18.7416, 24.4274, 36.5281

Trichromacy



Original Color

12.7466, 24.3898, 7.6503



Protanomaly

15.1393, 22.3168, 6.6416



Deuteranomaly

16.0188, 21.8663, 7.7912



Tritanomaly

15.3929, 23.9648, 21.9035

Monochromacy



Original Color

12.7466, 24.3898, 7.6503



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.1064, 14.8270, 10.3119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7466, 24.3898, 7.6503 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(0, 157, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 55)  
}
```

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(0, 157, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 55) }
```

Border

The CSS property to change the border of an element to XYZ 12.7466, 24.3898, 7.6503 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(0, 157, 55) }
```


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

```
.border{ border-color:rgb(0, 157, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 157, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7466, 24.3898, 7.6503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 55) }
```

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

```
.background{ background-color: rgb(0, 157,  
55) }
```

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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