

Converting Colors

XYZ(12.7374, 24.9227, 5.7322)

Have a look what the booklet for
XYZ(12.7374, 24.9227, 5.7322)
contains.

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Color

**XYZ(12.7516, 24.9434,
5.7326)**

Conversions

Conversions Part 1

Format	Color
Hex	049F23
RGB	4, 159, 35
RGB Percent	2%, 62%, 14%
CMY	0.9843, 0.3765, 0.8627
CMYK	0.97, 0.00, 0.78, 0.38
HSL	132°, 95%, 32%
HSV	132°, 97%, 62%
XYZ	12.7516, 24.9434, 5.7326
YIQ	98.5190, -52.5760, -71.4240

Conversions

Conversions Part 2

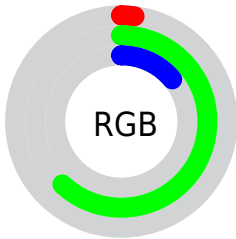
Format	Color
R_{YB}	4, 133, 159
Decimal	302883
CIE _{Lab}	57.02, -58.78, 50.94
CIE _{LCh}	57, 77.779, 139.088
Yxy	24.9434, 0.2936, 0.5744
Android (android.graphics.Color)	4278492963 (0xFF049F23)
YUV	98.5190, -31.3149, -82.8932
Hunter-Lab	49.9434, -41.8261, 28.1549

Details

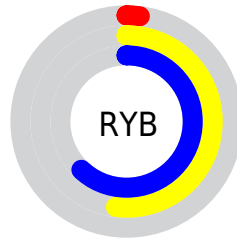
The XYZ color **12.7516, 24.9434, 5.7326** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.2385, 9.0167, 21.2021**, and the grayscale version is **11.8253, 12.4411, 13.5484**.

A 20% lighter version of the original color is **30.4180, 51.5463, 17.7974**, and **5.1540, 10.3081, 1.7180** is the 20% darker color. If you saturate the color by 10%, you get **12.6566, 24.9004, 5.4916**, and if you desaturate by 10%, it is **13.2130, 25.1561, 6.9259**.

Distribution



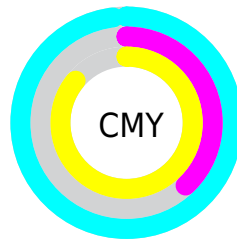
- Red (2%)
- Green (62%)
- Blue (14%)



- Red (2%)
- Yellow (52%)
- Blue (62%)



- Cyan (97%)
- Magenta (0%)
- Yellow (78%)
- Black (38%)





- Cyan (98%)
- Magenta (38%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7516, 24.9434, 5.7326 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 12.7516, 24.9434, 5.7326 by changing the saturation by 10% instead.


 12.7516, 24.9434,
5.7326


 12.7516, 24.9434,
5.7326


202.9895,
277.5560, 165.8827


 7.3335, 16.0349,
2.6170


 30.4619, 51.5654,
17.8413


 3.7197, 9.5488,
0.9012


 43.4849, 70.0477,
27.6715

 1.5448, 5.1009,
0.0000

 59.7735, 92.4900,
40.5770

 0.3560, 2.3066,
0.0000

 79.6932, 119.2767,
56.9763

 0.0000, 0.7772,
0.0000

 103.6093,
150.7923, 77.2880

 0.0000, 0.0000,
0.0000

 131.8871,

187.4211, 101.9306

164.8921,
229.5475, 131.3227

■ 12.7516, 24.9434,
5.7326

■ 12.7516, 24.9434,
5.7326

■ 12.6566, 24.9004,
5.4916

■ 13.2130, 25.1561,
6.9259

■ 13.9468, 25.4998,
8.5239

■ 15.0078, 26.0027,
10.5602

■ 16.4302, 26.6821,
13.0642

■ 18.2441, 27.5527,
16.0625

■ 20.4760, 28.6277,
19.5798

■ 23.1503, 29.9193,
23.6390

■ 26.2894, 31.4385,
28.2618

■ 29.9143, 33.1957,
33.4687

Harmonies

Analogous

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



18.4123, 24.9434, 1.9576



12.7516, 24.9434, 5.7326



10.2987, 24.9434, 18.7012

Triad

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



12.7516, 24.9434, 5.7326



20.5340, 24.9434, 112.6315



44.4984, 24.9434, 13.7999

Complementary

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



12.7516, 24.9434, 5.7326



18.2385, 9.0167, 21.2021

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.



45.4926, 24.9434, 37.8459



12.7516, 24.9434, 5.7326



29.9326, 24.9434, 107.9047

Square

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



12.7516, 24.9434, 5.7326



13.9597, 24.9434, 85.7230



39.6253, 24.9434, 75.2610



37.1819, 24.9434, 4.1153

Rectangle

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



12.7516, 24.9434, 5.7326



10.2431, 24.9434, 35.9107



39.6253, 24.9434, 75.2610



45.6428, 24.9434, 19.9592

Sweetspot

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



12.7522, 24.9444, 5.7332



40.4000, 53.0691, 40.7471



21.3231, 29.3954, 4.6650



8.6663, 11.7509, 8.5177



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.



12.7522, 24.9444, 5.7332



22.6096, 44.5702, 9.5376



15.4015, 26.0041, 19.6842



6.6023, 7.4217, 7.3404



10.0088, 19.6715, 4.4036



0.1919, 0.3569, 0.1466

Inverse Universe

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



18.2385, 9.0167, 21.2021



32.4199, 15.9260, 37.0769



14.9288, 7.6928, 3.7730



6.8473, 6.7318, 8.0468



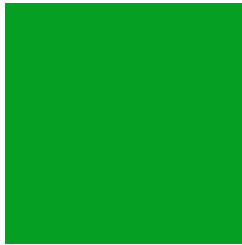
14.3440, 7.0422, 16.5944



0.2698, 0.1312, 0.3667

Previews

White Background



This preview shows how the XYZ color 12.7516, 24.9434, 5.7326 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 12.7516, 24.9434, 5.7326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

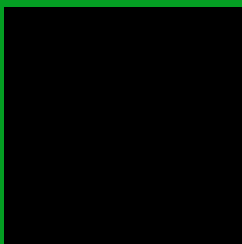
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

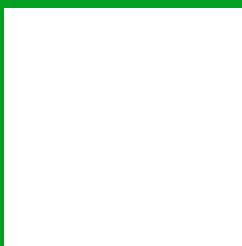
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7516, 24.9434, 5.7326

Background



This preview shows how black text looks on a background with the XYZ color 12.7516, 24.9434, 5.7326.



This preview shows how white text looks on a background with the XYZ color 12.7516, 24.9434,

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

12.7516, 24.9434, 5.7326

Protanopia

22.1628, 24.4693, 4.7173

Deuteranopia

24.9613, 24.4600, 6.2019



Tritanopia

19.1818, 24.8761, 37.0483

Trichromacy



Original Color

12.7516, 24.9434, 5.7326



Protanomaly

15.3662, 22.6981, 4.8676



Deuteranomaly

16.2445, 22.2456, 5.7231



Tritanomaly

15.3190, 24.2079, 20.0848

Monochromacy



Original Color

12.7516, 24.9434, 5.7326



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.2562, 15.2865, 9.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7516, 24.9434, 5.7326 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(4, 159, 35)` looks like.

```
.text, #text, p{  
    color:rgb(4, 159, 35)  
}
```

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(4, 159, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 159, 35) }
```

Border

The CSS property to change the border of an element to XYZ 12.7516, 24.9434, 5.7326 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(4, 159, 35) }
```


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

```
.border{ border-color:rgb(4, 159, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 159, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 159, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 159, 35);  
box-shadow:4px 4px 4px 4px rgb(4, 159, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7516, 24.9434, 5.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 159, 35) }
```

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

```
.background{ background-color: rgb(4, 159,  
35) }
```

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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