

Converting Colors

XYZ(26.7903, 49.4868, 12.4957)

Have a look what the booklet for
XYZ(26.7903, 49.4868, 12.4957)
contains.

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Color

**XYZ(26.7524, 49.3907,
12.5382)**

Conversions

Conversions Part 1

Format	Color
Hex	3CD63D
RGB	60, 214, 61
RGB Percent	24%, 84%, 24%
CMY	0.7647, 0.1608, 0.7608
CMYK	0.72, 0.00, 0.71, 0.16
HSL	120°, 65%, 54%
HSV	120°, 72%, 84%
XYZ	26.7524, 49.3907, 12.5382
YIQ	150.5120, -42.6710, -80.2310

Conversions

Conversions Part 2

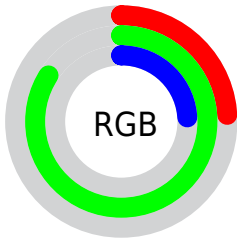
Format	Color
RYB	60, 213, 214
Decimal	3987005
CIELab	75.69, -67.56, 60.79
CIELCh	76, 90.880, 138.017
Yxy	49.3907, 0.3017, 0.5569
Android (android.graphics.Color)	4282177085 (0xFF3CD63D)
YUV	150.5120, -44.1294, -79.3790
Hunter-Lab	70.2785, -55.0391, 38.6172

Details

The XYZ color **26.7524, 49.3907, 12.5382** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **41.3589, 22.3328, 65.0819**, and the grayscale version is **29.4036, 30.9349, 33.6881**.

A 20% lighter version of the original color is **48.0241, 77.4715, 29.2520**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **25.2479, 48.6701, 10.0483**, and if you desaturate by 10%, it is **29.0086, 50.4755, 16.2497**.

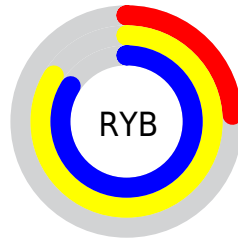
Distribution



Red (24%)

Green (84%)

Blue (24%)



Red (24%)

Yellow (84%)

Blue (84%)

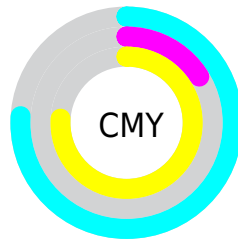


Cyan (72%)

Magenta (0%)

Yellow (71%)

Black (16%)



Cyan (76%)


Magenta (16%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.7524, 49.3907, 12.5382 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 26.7524, 49.3907, 12.5382 by changing the saturation by 10% instead.


 26.7524, 49.3907,
12.5382


 26.7524, 49.3907,
12.5382


278.6457,
384.2784, 219.0393


 17.5230, 34.9295,
6.9844


 53.9090, 89.2715,
31.1505

 10.7057, 23.6086,
3.3740


 72.5669, 115.4598,
45.0461


 5.9351, 15.0435,
1.2886


 95.0983, 146.3260,
62.5593

 2.8459, 8.8499,
0.0525

 121.8686,
182.2544, 84.1088

 1.0728, 4.6434,
0.0000

 153.2431,
223.6295, 110.1130

 0.0022, 2.0396,
0.0000

189.5873,

 0.0000, 0.6303,

270.8356, 140.9904

0.0000

231.2663,
324.2571, 177.1597

■ 0.0000, 0.0000,
0.0000

■ 26.7524, 49.3907,
12.5382

■ 26.7524, 49.3907,
12.5382

■ 25.2479, 48.6701,
10.0483

■ 29.0086, 50.4755,
16.2497

■ 24.3955, 48.2614,
8.6228


■ 32.0932, 51.9569,
21.3083


■ 24.0552, 48.0981,
8.0561

■ 36.0772, 53.8705,
27.8277


■ 41.0233, 56.2466,
35.9087

■ 46.9884, 59.1125,
45.6429

 54.0251, 62.4933,
57.1153

 62.1822, 66.4128,
70.4046

 71.5056, 70.8929,
85.5850

 82.0388, 75.9544,
102.7265

Harmonies

Analogous

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



37.6236, 49.3907, 5.0102



26.7524, 49.3907, 12.5382



21.8576, 49.3907, 36.7294

Triad

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



26.7524, 49.3907, 12.5382



40.5368, 49.3907, 205.0799



84.9647, 49.3907, 29.8904

Complementary

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



26.7524, 49.3907, 12.5382



41.3589, 22.3328, 65.0819

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.



86.2818, 49.3907, 75.4230



26.7524, 49.3907, 12.5382



57.6899, 49.3907, 198.9737

Square

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



26.7524, 49.3907, 12.5382



28.4438, 49.3907, 156.3745



75.3655, 49.3907, 142.7277



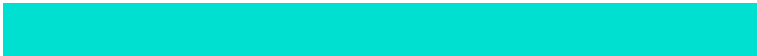
72.1086, 49.3907, 10.1007

Rectangle

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



26.7524, 49.3907, 12.5382



21.6247, 49.3907, 67.7778



75.3655, 49.3907, 142.7277



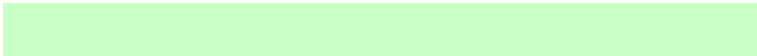
86.8670, 49.3907, 41.8525

Sweetspot

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



26.7536, 49.3928, 12.5393



69.6263, 87.7843, 67.4690



52.5959, 62.7180, 13.6089



14.3521, 18.5248, 13.5425



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



26.7536, 49.3928, 12.5393



36.8131, 72.0241, 13.7227



30.4267, 50.8620, 31.8817



12.2657, 13.8973, 13.2136



14.5407, 29.0716, 4.8770



0.8782, 1.7539, 0.3004

Inverse Universe

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



41.3589, 22.3328, 65.0819



59.6826, 29.6320, 95.9803



33.8642, 19.3349, 25.6151



12.9494, 12.6313, 15.6738



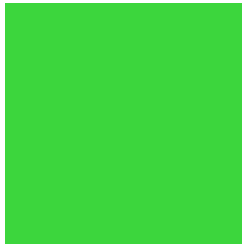
23.9928, 11.5334, 38.8615



1.4483, 0.6961, 2.3500

Previews

White Background



This preview shows how the XYZ color 26.7524, 49.3907, 12.5382 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 26.7524, 49.3907, 12.5382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

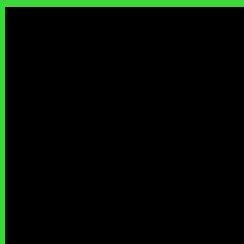
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 26.7524, 49.3907, 12.5382

Background



This preview shows how black text looks on a background with the XYZ color 26.7524, 49.3907, 12.5382.

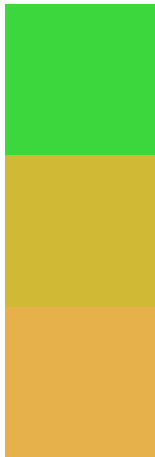


This preview shows how white text looks on a background with the XYZ color 26.7524, 49.3907,

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

26.7524, 49.3907, 12.5382

Protanopia

43.7237, 48.2204, 10.3711

Deuteranopia

49.4285, 48.3817, 13.3900



Tritanopia

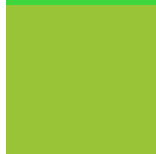
38.6425, 49.1500, 72.4160

Trichromacy



Original Color

26.7524, 49.3907, 12.5382



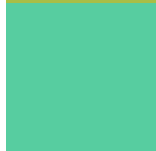
Protanomaly

33.7802, 46.6354, 10.9625



Deuteranomaly

35.6674, 45.5939, 12.7150



Tritanomaly

32.1070, 48.2269, 40.8742

Monochromacy



Original Color

26.7524, 49.3907, 12.5382



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.8773, 35.4317, 22.6147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7524, 49.3907, 12.5382 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(60, 214, 61)` looks like.

```
.text, #text, p{  
    color:rgb(60, 214, 61)  
}
```

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(60, 214, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 214, 61) }
```

Border

The CSS property to change the border of an element to XYZ 26.7524, 49.3907, 12.5382 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(60, 214, 61) }
```


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

```
.border{ border-color:rgb(60, 214, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 214, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 214, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 214, 61);  
box-shadow:4px 4px 4px 4px rgb(60, 214,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7524, 49.3907, 12.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 214, 61) }
```

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

```
.background{ background-color: rgb(60, 214,  
61) }
```

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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