

Converting Colors

XYZ(26.0463, 49.4819, 12.5135)

Have a look what the booklet for
XYZ(26.0463, 49.4819, 12.5135)
contains.

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Color

**XYZ(25.9911, 49.3782,
12.4360)**

Conversions

Conversions Part 1

Format	Color
Hex	28D73C
RGB	40, 215, 60
RGB Percent	16%, 84%, 24%
CMY	0.8431, 0.1568, 0.7647
CMYK	0.81, 0.00, 0.72, 0.16
HSL	127°, 69%, 50%
HSV	127°, 81%, 84%
XYZ	25.9911, 49.3782, 12.4360
YIQ	145.0050, -54.5450, -85.3050

Conversions

Conversions Part 2

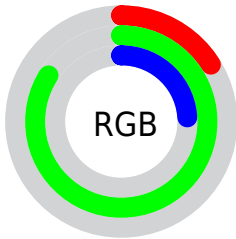
Format	Color
RYB	40, 197, 215
Decimal	2676540
CIELab	75.69, -70.66, 61.04
CIELCh	76, 93.376, 139.177
Yxy	49.3782, 0.2960, 0.5624
Android (android.graphics.Color)	4280866620 (0xFF28D73C)
YUV	145.0050, -41.9075, -92.0894
Hunter-Lab	70.2696, -56.9488, 38.6959

Details

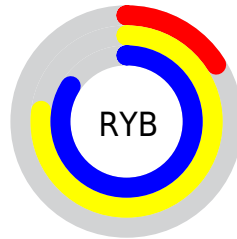
The XYZ color **25.9911, 49.3782, 12.4360** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **38.6345, 19.9054, 53.4353**, and the grayscale version is **27.0977, 28.5089, 31.0462**.

A 20% lighter version of the original color is **46.3836, 76.6325, 28.8699**, and **12.3981, 24.7963, 4.1327** is the 20% darker color. If you saturate the color by 10%, you get **24.9599, 48.8961, 10.2168**, and if you desaturate by 10%, it is **27.6699, 50.1761, 15.6329**.

Distribution



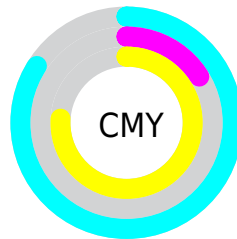
- Red (16%)
- Green (84%)
- Blue (24%)



- Red (16%)
- Yellow (77%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (72%)
- Black (16%)





- Cyan (84%)
- Magenta (16%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.9911, 49.3782, 12.4360 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 25.9911, 49.3782, 12.4360 by changing the saturation by 10% instead.


 25.9911, 49.3782,
12.4360


 25.9911, 49.3782,
12.4360


274.9959,
384.2293, 218.3501


 16.9496, 34.9196,
6.9152


 52.6920, 89.2529,
30.9629

 10.2937, 23.6009,
3.3315


 71.0821, 115.4378,
44.8061


 5.6579, 15.0379,
1.2663


 93.3192, 146.3002,
62.2606

 2.6768, 8.8460,
0.0339

 119.7685,
182.2246, 83.7448

 0.9853, 4.6408,
0.0000

 150.7955,
223.5953, 109.6773

 0.0000, 2.0381,
0.0000

186.7655,

 0.0000, 0.6295,

270.7967, 140.4767

0.0000

228.0438,
324.2132, 176.5614

■ 0.0000, 0.0000,
0.0000

■ 25.9911, 49.3782,
12.4360

■ 25.9911, 49.3782,
12.4360

■ 24.9599, 48.8961,
10.2168

■ 27.6699, 50.1761,
15.6329


■ 24.4723, 48.6712,
9.0006


■ 30.0777, 51.3254,
19.8993


■ 33.2875, 52.8635,
25.3200

■ 37.3624, 54.8212,
31.9706

■ 42.3592, 57.2264,
39.9200

 48.3298, 60.1044,
49.2323

 55.3223, 63.4788,
59.9671

 63.3815, 67.3715,
72.1805

 72.5495, 71.8030,
85.9258

Harmonies

Analogous

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



36.8310, 49.3782, 4.6454



25.9911, 49.3782, 12.4360



21.2536, 49.3782, 37.7849

Triad

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



25.9911, 49.3782, 12.4360



40.9587, 49.3782, 212.1375



85.8873, 49.3782, 28.1480

Complementary

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



25.9911, 49.3782, 12.4360



38.6345, 19.9054, 53.4353

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.



87.7775, 49.3782, 73.7128



25.9911, 49.3782, 12.4360



58.7303, 49.3782, 203.2942

Square

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



25.9911, 49.3782, 12.4360



28.3711, 49.3782, 162.8902



76.8761, 49.3782, 143.1946



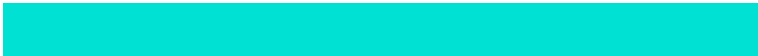
72.2122, 49.3782, 9.0926

Rectangle

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



25.9911, 49.3782, 12.4360



21.1559, 49.3782, 70.4353



76.8761, 49.3782, 143.1946



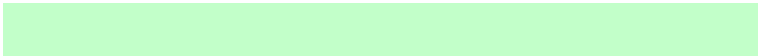
88.0297, 49.3782, 39.9564

Sweetspot

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



25.9923, 49.3802, 12.4371



68.4754, 87.1703, 68.3489



47.8425, 60.6944, 11.2012



13.9761, 18.3300, 13.5688



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.



25.9923, 49.3802, 12.4371



36.1078, 71.6665, 13.4182



30.2876, 51.0984, 35.0558



12.3196, 13.9188, 13.4973



14.6567, 29.1180, 5.4879



0.9038, 1.7642, 0.4352

Inverse Universe

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



38.6345, 19.9054, 53.4353



55.0825, 26.8856, 74.5506



31.5989, 17.0911, 16.3859



12.8890, 12.6071, 15.3559



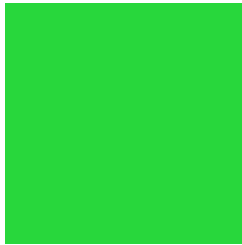
22.3739, 10.8859, 30.3367



1.3673, 0.6637, 1.9233

Previews

White Background



This preview shows how the XYZ color 25.9911, 49.3782, 12.4360 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 25.9911, 49.3782, 12.4360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

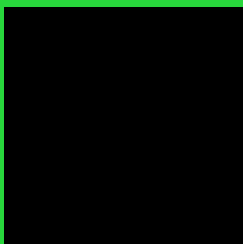
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

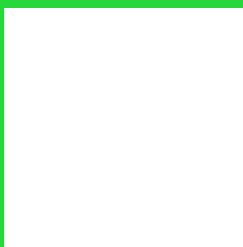
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.9911, 49.3782, 12.4360

Background



This preview shows how black text looks on a background with the XYZ color 25.9911, 49.3782, 12.4360.



This preview shows how white text looks on a background with the XYZ color 25.9911, 49.3782,

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

25.9911, 49.3782, 12.4360

Protanopia

43.7009, 48.2113, 10.2512

Deuteranopia

49.4285, 48.3817, 13.3900



Tritanopia

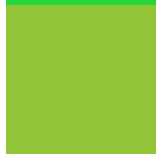
38.1303, 49.2159, 73.1356

Trichromacy



Original Color

25.9911, 49.3782, 12.4360



Protanomaly

32.2836, 45.8667, 10.7661



Deuteranomaly

34.2169, 44.8462, 12.6471



Tritanomaly

31.3181, 48.1765, 40.9061

Monochromacy



Original Color

25.9911, 49.3782, 12.4360



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.4754, 33.0902, 21.0693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9911, 49.3782, 12.4360 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(40, 215, 60)` looks like.

```
.text, #text, p{  
    color:rgb(40, 215, 60)  
}
```

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(40, 215, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 215, 60) }
```

Border

The CSS property to change the border of an element to XYZ 25.9911, 49.3782, 12.4360 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(40, 215, 60) }
```


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

```
.border{ border-color:rgb(40, 215, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 215, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 215, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 215, 60);  
box-shadow:4px 4px 4px 4px rgb(40, 215,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9911, 49.3782, 12.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 215, 60) }
```

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

```
.background{ background-color: rgb(40, 215,  
60) }
```

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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