

Converting Colors

XYZ(25.2622, 47.8122, 15.2573)

Have a look what the booklet for
XYZ(25.2622, 47.8122, 15.2573)
contains.

XYZ(25.2640, 47.8109, 15.2940)	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(25.2640, 47.8109,
15.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	15D44F
RGB	21, 212, 79
RGB Percent	8%, 83%, 31%
CMY	0.9176, 0.1686, 0.6902
CMYK	0.90, 0.00, 0.63, 0.17
HSL	138°, 82%, 46%
HSV	138°, 90%, 83%
XYZ	25.2640, 47.8109, 15.2940
YIQ	139.7290, -71.1430, -81.8550

Conversions

Conversions Part 2

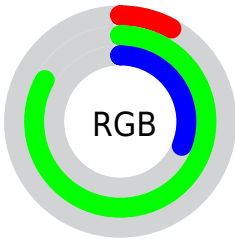
Format	Color
R_{YB}	21, 168, 212
Decimal	1430607
CIE _{Lab}	74.71, -69.49, 52.42
CIE _{LCh}	75, 87.046, 142.968
Yxy	47.8109, 0.2859, 0.5410
Android (android.graphics.Color)	4279620687 (0xFF15D44F)
YUV	139.7290, -29.9394, -104.1253
Hunter-Lab	69.1454, -55.7851, 35.2877

Details

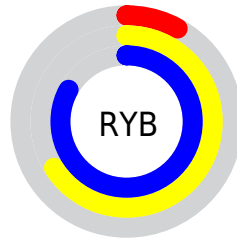
The XYZ color **25.2640, 47.8109, 15.2940** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **33.2536, 16.8672, 32.0757**, and the grayscale version is **24.9554, 26.2550, 28.5917**.

A 20% lighter version of the original color is **46.3003, 76.4647, 34.5092**, and **12.0238, 23.8311, 4.6756** is the 20% darker color. If you saturate the color by 10%, you get **24.4807, 47.4633, 12.7784**, and if you desaturate by 10%, it is **26.5175, 48.3893, 18.4773**.

Distribution



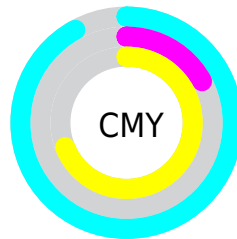
- Red (8%)
- Green (83%)
- Blue (31%)



- Red (8%)
- Yellow (66%)
- Blue (83%)



- Cyan (90%)
- Magenta (0%)
- Yellow (63%)
- Black (17%)





- Cyan (92%)
- Magenta (17%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2640, 47.8109, 15.2940 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 25.2640, 47.8109, 15.2940 by changing the saturation by 10% instead.


 25.2640, 47.8109,
15.2940


 25.2640, 47.8109,
15.2940


271.4736,
378.0421, 236.8407


 16.4036, 33.6772,
8.8771


 51.5250, 86.9228,
36.1177

 9.9029, 22.6457,
4.5654


 69.6563, 112.6697,
51.3615


 5.3964, 14.3321,
1.9404


 91.6087, 143.0565,
70.3848

 2.5188, 8.3520,
0.5182

 117.7475,
178.4676, 93.6059

 0.9047, 4.3210,
0.0000

 148.4380,
219.2872, 121.4436

 0.0000, 1.8547,
0.0000

184.0456,

 0.0000, 0.5209,

265.9000, 154.3162

0.0000

224.9357,
318.6901, 192.6424

■ 0.0000, 0.0000,
0.0000

■ 25.2640, 47.8109,
15.2940

■ 25.2640, 47.8109,
15.2940

■ 24.4807, 47.4633,
12.7784


■ 26.5175, 48.3893,
18.4773


■ 28.3552, 49.2529,
22.3477


■ 30.8482, 50.4390,
26.9444


■ 34.0563, 51.9775,
32.3028

■ 38.0320, 53.8950,
38.4557

 42.8228, 56.2153,
45.4339

 48.4724, 58.9602,
53.2666

 55.0210, 62.1500,
61.9816

 62.5065, 65.8037,
71.6055

Harmonies

Analogous

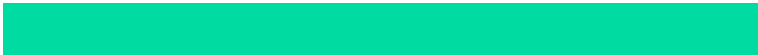
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5980, 47.8109, 6.0322



25.2640, 47.8109, 15.2940



21.4849, 47.8109, 42.1247

Triad

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



25.2640, 47.8109, 15.2940



41.8273, 47.8109, 194.7650



79.5090, 47.8109, 24.9716

Complementary

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



25.2640, 47.8109, 15.2940



33.2536, 16.8672, 32.0757

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.



82.7135, 47.8109, 63.4414



25.2640, 47.8109, 15.2940



58.3456, 47.8109, 180.1163

Square

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



25.2640, 47.8109, 15.2940



29.5044, 47.8109, 156.8524



74.2347, 47.8109, 123.9211



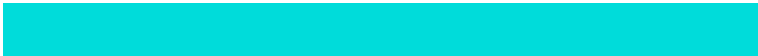
66.2835, 47.8109, 8.9315

Rectangle

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



25.2640, 47.8109, 15.2940



21.8179, 47.8109, 74.1029



74.2347, 47.8109, 123.9211



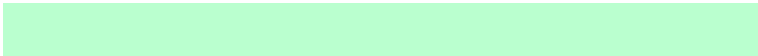
81.9025, 47.8109, 34.8861

Sweetspot

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



25.2652, 47.8129, 15.2951



67.3157, 86.4857, 72.2140



37.1405, 54.0822, 9.1910



13.8131, 18.2226, 14.6162



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.



25.2652, 47.8129, 15.2951



37.1150, 72.0620, 19.0554



31.4746, 50.2966, 47.9933



12.4161, 13.9574, 14.0057



15.1518, 29.3161, 8.0949



0.9504, 1.7828, 0.6804

Inverse Universe

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



33.2536, 16.8672, 32.0757



49.2321, 24.4569, 44.0160



28.2153, 14.8519, 5.5448



12.7849, 12.5655, 14.8077



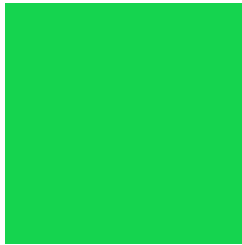
20.0898, 9.9722, 18.3086



1.2477, 0.6159, 1.2939

Previews

White Background



This preview shows how the XYZ color 25.2640, 47.8109, 15.2940 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 25.2640, 47.8109, 15.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

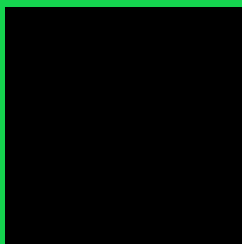
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

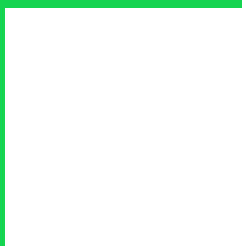
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2640, 47.8109, 15.2940

Background



This preview shows how black text looks on a background with the XYZ color 25.2640, 47.8109, 15.2940.



This preview shows how white text looks on a background with the XYZ color 25.2640, 47.8109,

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

25.2640, 47.8109, 15.2940

Protanopia

42.4620, 46.5946, 12.5500

Deuteranopia

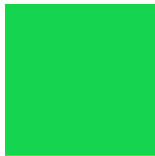
47.5724, 46.4898, 16.3636



Tritanopia

36.6196, 47.7794, 71.5823

Trichromacy



Original Color

25.2640, 47.8109, 15.2940



Protanomaly

30.5891, 43.9393, 13.1723



Deuteranomaly

32.0683, 42.7128, 15.5710



Tritanomaly

30.5257, 46.9957, 43.5386

Monochromacy



Original Color

25.2640, 47.8109, 15.2940



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.8360, 31.1218, 21.9958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2640, 47.8109, 15.2940 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(21, 212, 79)` looks like.

```
.text, #text, p{  
    color:rgb(21, 212, 79)  
}
```

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(21, 212, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 212, 79) }
```

Border

The CSS property to change the border of an element to XYZ 25.2640, 47.8109, 15.2940 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(21, 212, 79) }
```


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

```
.border{ border-color:rgb(21, 212, 79) }
```

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

Here you see how a box with a 4 pixel rgb(21, 212, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 212, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 212, 79);  
box-shadow:4px 4px 4px 4px rgb(21, 212,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2640, 47.8109, 15.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 212, 79) }
```

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

```
.background{ background-color: rgb(21, 212,  
79) }
```

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