

Converting Colors

XYZ(25.6005, 49.8377, 12.7360)

Have a look what the booklet for
XYZ(25.6005, 49.8377, 12.7360)
contains.

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Color

**XYZ(25.6552, 49.9626,
12.7065)**

Conversions

Conversions Part 1

Format	Color
Hex	00D93D
RGB	0, 217, 61
RGB Percent	0%, 85%, 24%
CMY	1.0000, 0.1490, 0.7608
CMYK	1.00, 0.00, 0.72, 0.15
HSL	137°, 100%, 43%
HSV	137°, 100%, 85%
XYZ	25.6552, 49.9626, 12.7065
YIQ	134.3330, -79.2560, -94.5200

Conversions

Conversions Part 2

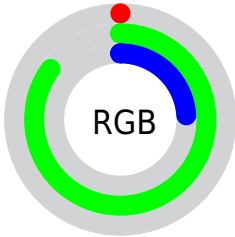
Format	Color
RYB	0, 169, 217
Decimal	55613
CIELab	76.05, -73.62, 60.97
CIELCh	76, 95.584, 140.371
Yxy	49.9626, 0.2905, 0.5657
Android (android.graphics.Color)	4278245693 (0xFF00D93D)
YUV	134.3330, -36.1532, -117.8100
Hunter-Lab	70.6842, -58.9099, 38.8207

Details

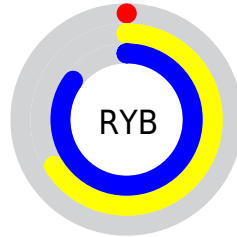
The XYZ color **25.6552, 49.9626, 12.7065** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **34.6178, 17.1530, 32.9418**, and the grayscale version is **22.9346, 24.1289, 26.2764**.

A 20% lighter version of the original color is **45.0343, 75.9302, 29.1121**, and **12.5708, 25.1416, 4.1903** is the 20% darker color. If you saturate the color by 10%, you get **25.6561, 49.9645, 12.7067**, and if you desaturate by 10%, it is **26.4640, 50.3252, 15.2675**.

Distribution



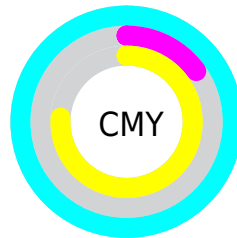
- Red (0%)
- Green (85%)
- Blue (24%)



- Red (0%)
- Yellow (66%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6552, 49.9626, 12.7065 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 25.6552, 49.9626, 12.7065 by changing the saturation by 10% instead.


 25.6552, 49.9626,
12.7065


 25.6552, 49.9626,
12.7065


273.3732,
386.5197, 220.1694


 16.6972, 35.3837,
7.0984


 52.1535, 90.1195,
31.4589

 10.1128, 23.9586,
3.4443

 70.4244, 116.4662,
45.4403


 5.5367, 15.3029,
1.3258


 92.5304, 147.5043,
63.0499

 2.6034, 9.0322,
0.0828

 118.8368,
183.6182, 84.7062

 0.9477, 4.7622,
0.0000

 149.7089,
225.1923, 110.8277

 0.0000, 2.1084,
0.0000

185.5121,

 0.0000, 0.6694,

272.6110, 141.8331

0.0000

226.6117,
326.2587, 178.1408

■ 0.0000, 0.0000,
0.0000

■ 25.6552, 49.9626,
12.7065

■ 25.6552, 49.9626,
12.7065

■ 25.6561, 49.9645,
12.7067

■ 26.4640, 50.3252,
15.2675

■ 27.7682, 50.9264,
18.5389

■ 29.6976, 51.8338,
22.5733

■ 32.3273, 53.0850,
27.4156

■ 35.7212, 54.7122,
33.1070

■ 39.9357, 56.7436,
39.6860

■ 45.0216, 59.2047,
47.1886

■ 51.0257, 62.1188,
55.6489

■ 57.9912, 65.5077,
65.0992

Harmonies

Analogous

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



36.5146, 49.9626, 4.4895



25.6552, 49.9626, 12.7065



21.0506, 49.9626, 39.5595

Triad

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



25.6552, 49.9626, 12.7065



41.9751, 49.9626, 220.2474



87.4772, 49.9626, 26.8570

Complementary

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



25.6552, 49.9626, 12.7065



34.6178, 17.1530, 32.9418

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.



90.0000, 49.9626, 72.5550



25.6552, 49.9626, 12.7065



60.4651, 49.9626, 208.3699

Square

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



25.6552, 49.9626, 12.7065



28.7884, 49.9626, 170.6550



79.1305, 49.9626, 144.2635



72.9152, 49.9626, 8.3830

Rectangle

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



25.6552, 49.9626, 12.7065



21.0955, 49.9626, 74.0834



79.1305, 49.9626, 144.2635



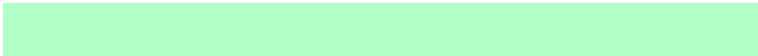
89.8819, 49.9626, 38.5552

Sweetspot

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



25.6564, 49.9647, 12.7076



64.6608, 85.2146, 67.6861



39.1394, 57.0127, 8.9420



13.1421, 17.9014, 13.4709



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.



25.6564, 49.9647, 12.7076



36.9193, 71.9837, 18.0247



31.7310, 52.3945, 44.6961



13.0362, 14.6661, 14.6537



15.5693, 30.2604, 7.8976



1.0451, 1.9750, 0.7036

Inverse Universe

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



34.6178, 17.1530, 32.9418



49.8206, 24.6922, 47.1147



29.2061, 14.9883, 4.4443



13.4501, 13.2092, 15.6317



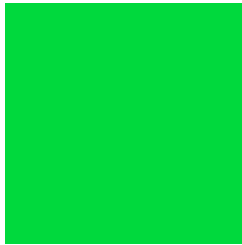
21.0020, 10.4018, 20.1883



1.3967, 0.6883, 1.4979

Previews

White Background



This preview shows how the XYZ color 25.6552, 49.9626, 12.7065 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 25.6552, 49.9626, 12.7065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

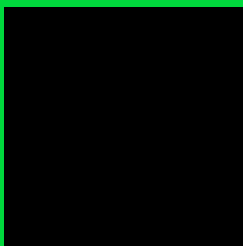
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.6552, 49.9626, 12.7065

Background



This preview shows how black text looks on a background with the XYZ color 25.6552, 49.9626, 12.7065.

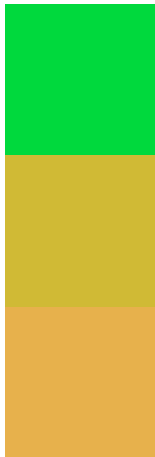


This preview shows how white text looks on a background with the XYZ color 25.6552, 49.9626,

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

25.6552, 49.9626, 12.7065

Protanopia

44.2139, 48.7847, 10.4542

Deuteranopia

49.9816, 48.9550, 13.6524



Tritanopia

38.2619, 49.9502, 74.6426

Trichromacy



Original Color

25.6552, 49.9626, 12.7065



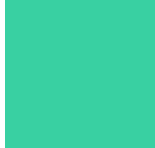
Protanomaly

30.1958, 45.1236, 10.8596



Deuteranomaly

32.0196, 44.3573, 12.8354



Tritanomaly

30.7648, 48.5902, 41.9398

Monochromacy



Original Color

25.6552, 49.9626, 12.7065



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.6756, 29.5438, 18.5754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6552, 49.9626, 12.7065 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, 217, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 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(0, 217, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 61) }
```

Border

The CSS property to change the border of an element to XYZ 25.6552, 49.9626, 12.7065 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, 217, 61) }
```


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

```
.border{ border-color:rgb(0, 217, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 217, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.6552, 49.9626, 12.7065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 61) }
```

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

```
.background{ background-color: rgb(0, 217,  
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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