

Converting Colors

XYZ(26.2340, 49.7831, 17.0194)

Have a look what the booklet for
XYZ(26.2340, 49.7831, 17.0194)
contains.

XYZ(26.2356, 49.7836, 17.0305)	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(26.2356, 49.7836,
17.0305)**

Conversions

Conversions Part 1

Format	Color
Hex	00D856
RGB	0, 216, 86
RGB Percent	0%, 85%, 34%
CMY	1.0000, 0.1529, 0.6627
CMYK	1.00, 0.00, 0.60, 0.15
HSL	144°, 100%, 42%
HSV	144°, 100%, 85%
XYZ	26.2356, 49.7836, 17.0305
YIQ	136.5960, -87.0060, -86.2220

Conversions

Conversions Part 2

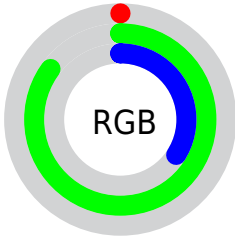
Format	Color
RYB	0, 154, 216
Decimal	55382
CIELab	75.94, -70.72, 50.75
CIELCh	76, 87.050, 144.337
Yxy	49.7836, 0.2820, 0.5350
Android (android.graphics.Color)	4278245462 (0xFF00D856)
YUV	136.5960, -24.9438, -119.7947
Hunter-Lab	70.5575, -57.1034, 35.0794

Details

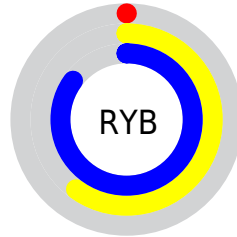
The XYZ color **26.2356, 49.7836, 17.0305** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **32.3501, 16.2117, 22.5471**, and the grayscale version is **23.7420, 24.9784, 27.2015**.

A 20% lighter version of the original color is **46.4375, 76.4776, 37.1251**, and **12.6455, 24.8952, 5.4351** is the 20% darker color. If you saturate the color by 10%, you get **26.2364, 49.7855, 17.0302**, and if you desaturate by 10%, it is **27.1315, 50.1807, 20.0613**.

Distribution



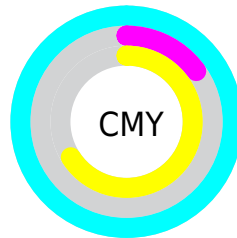
- Red (0%)
- Green (85%)
- Blue (34%)



- Red (0%)
- Yellow (60%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.2356, 49.7836, 17.0305 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 26.2356, 49.7836, 17.0305 by changing the saturation by 10% instead.


 26.2356, 49.7836,
17.0305


 26.2356, 49.7836,
17.0305


276.1722,
385.8191, 247.3980


 17.1336, 35.2415,
10.0941


 53.0834, 89.8542,
39.1696

 10.4257, 23.8490,
5.3549


 71.5599, 116.1514,
55.2093


 5.7465, 15.2216,
2.3946


 93.8919, 147.1358,
75.1205

 2.7308, 8.9751,
0.7835

 120.4447,
183.1918, 99.3218

 1.0130, 4.7249,
0.0000

 151.5839,
224.7037, 128.2316

 0.0000, 2.0868,
0.0000

187.6746,

 0.0000, 0.6572,

272.0559, 162.2685

0.0000

229.0823,
325.6329, 201.8512

■ 0.0000, 0.0000,
0.0000

■ 26.2356, 49.7836,
17.0305

■ 26.2356, 49.7836,
17.0305

■ 26.2364, 49.7855,
17.0302

■ 27.1315, 50.1807,
20.0613

■ 28.4869, 50.8018,
23.6350

■ 30.4264, 51.7118,
27.7817

■ 33.0205, 52.9468,
32.5265

■ 36.3292, 54.5371,
37.8931

■ 40.4050, 56.5095,
43.9034

■ 45.2956, 58.8880,
50.5785

■ 51.0445, 61.6947,
57.9382

■ 57.6920, 64.9501,
66.0018

Harmonies

Analogous

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



35.5956, 49.7836, 6.7605



26.2356, 49.7836, 17.0305



22.5761, 49.7836, 45.8620

Triad

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



26.2356, 49.7836, 17.0305



44.3068, 49.7836, 200.4895



81.7959, 49.7836, 25.1039

Complementary

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



26.2356, 49.7836, 17.0305



32.3501, 16.2117, 22.5471

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.



85.6260, 49.7836, 63.5050



26.2356, 49.7836, 17.0305



61.3666, 49.7836, 183.0821

Square

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



26.2356, 49.7836, 17.0305



31.3665, 49.7836, 163.9512



77.4432, 49.7836, 124.7229



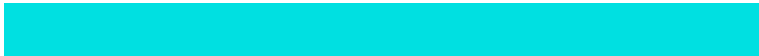
67.9259, 49.7836, 9.2077

Rectangle

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



26.2356, 49.7836, 17.0305



23.0798, 49.7836, 79.4632



77.4432, 49.7836, 124.7229



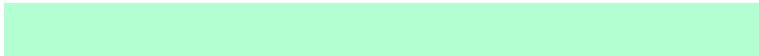
84.4157, 49.7836, 34.9629

Sweetspot

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



26.2368, 49.7856, 17.0316



65.7383, 85.6455, 73.3600



34.2624, 54.1170, 8.6401



13.3933, 18.0018, 14.7935



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.



26.2368, 49.7856, 17.0316



38.1347, 72.4699, 24.4248



33.9394, 52.8667, 57.5930



12.4652, 13.9771, 14.2641



15.5786, 29.4868, 10.3425



0.9799, 1.7946, 0.8357

Inverse Universe

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



32.3501, 16.2117, 22.5471



47.0293, 23.5757, 32.4160



28.4979, 14.6708, 2.2614



12.7339, 12.5451, 14.5391



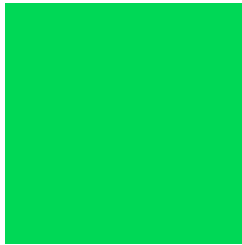
19.2016, 9.6169, 13.6314



1.1985, 0.5962, 1.0345

Previews

White Background



This preview shows how the XYZ color 26.2356, 49.7836, 17.0305 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 26.2356, 49.7836, 17.0305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

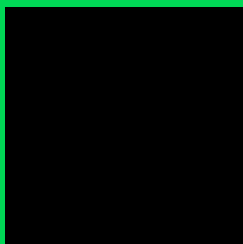
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 26.2356, 49.7836, 17.0305

Background



This preview shows how black text looks on a background with the XYZ color 26.2356, 49.7836, 17.0305.



This preview shows how white text looks on a background with the XYZ color 26.2356, 49.7836,

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

26.2356, 49.7836, 17.0305

Protanopia

44.6306, 48.9190, 14.1112

Deuteranopia

49.8747, 48.8013, 18.1002



Tritanopia

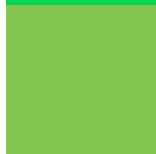
37.9799, 49.8048, 74.6294

Trichromacy



Original Color

26.2356, 49.7836, 17.0305



Protanomaly

30.9299, 45.4172, 14.7256



Deuteranomaly

32.2836, 44.0717, 17.1611



Tritanomaly

31.4821, 48.8642, 46.3005

Monochromacy



Original Color

26.2356, 49.7836, 17.0305



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

20.8367, 30.6067, 21.9490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.2356, 49.7836, 17.0305 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, 216, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 86)  
}
```

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, 216, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 86) }
```

Border

The CSS property to change the border of an element to XYZ 26.2356, 49.7836, 17.0305 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, 216, 86) }
```


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

```
.border{ border-color:rgb(0, 216, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 216, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 26.2356, 49.7836, 17.0305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 86) }
```

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

```
.background{ background-color: rgb(0, 216,  
86) }
```

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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