

Converting Colors

XYZ(27.7403, 50.2696, 21.1454)

Have a look what the booklet for
XYZ(27.7403, 50.2696, 21.1454)
contains.

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Color

**XYZ(27.6237, 50.0313,
21.0330)**

Conversions

Conversions Part 1

Format	Color
Hex	28D767
RGB	40, 215, 103
RGB Percent	16%, 84%, 40%
CMY	0.8431, 0.1568, 0.5961
CMYK	0.81, 0.00, 0.52, 0.16
HSL	142°, 69%, 50%
HSV	142°, 81%, 84%
XYZ	27.6237, 50.0313, 21.0330
YIQ	149.9070, -68.3480, -71.9320

Conversions

Conversions Part 2

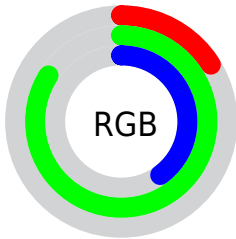
Format	Color
RYB	40, 169, 215
Decimal	2676583
CIELab	76.09, -65.74, 43.16
CIELCh	76, 78.639, 146.714
Yxy	50.0313, 0.2799, 0.5070
Android (android.graphics.Color)	4280866663 (0xFF28D767)
YUV	149.9070, -23.1252, -96.3884
Hunter-Lab	70.7328, -54.0718, 31.8826

Details

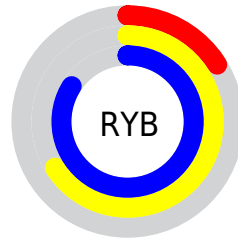
The XYZ color **27.6237, 50.0313, 21.0330** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.4522, 18.2326, 31.4109**, and the grayscale version is **29.0669, 30.5807, 33.3024**.

A 20% lighter version of the original color is **48.9632, 77.6333, 43.8566**, and **13.0180, 25.0442, 7.3967** is the 20% darker color. If you saturate the color by 10%, you get **26.3737, 49.4617, 17.6617**, and if you desaturate by 10%, it is **29.4540, 50.8898, 25.0270**.

Distribution



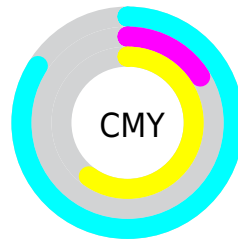
- Red (16%)
- Green (84%)
- Blue (40%)



- Red (16%)
- Yellow (66%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (52%)
- Black (16%)



- Cyan (84%)
- Magenta (16%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6237, 50.0313, 21.0330 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 27.6237, 50.0313, 21.0330 by changing the saturation by 10% instead.

■ 27.6237, 50.0313,
21.0330

■ 27.6237, 50.0313,
21.0330

282.7772,
386.7883, 270.2406

■ 18.1812, 35.4383,
12.9566

■ 55.2960, 90.2213,
46.0240

■ 11.1806, 24.0007,
7.2683

■ 74.2564, 116.5870,
63.7756

■ 6.2566, 15.3341,
3.5495

■ 97.1202, 147.6457,
85.5895

■ 3.0439, 9.0542,
1.3816

■ 124.2528,
183.7818, 111.8841

■ 1.1770, 4.7766,
0.1273

■ 156.0194,
225.3798, 143.0780

■ 0.0881, 2.1168,
0.0000

192.7854,

■ 0.0000, 0.6740,

272.8239, 179.5897

0.0000

234.9163,
326.4986, 221.8377

■ 0.0000, 0.0000,
0.0000

■ 27.6237, 50.0313,
21.0330

■ 27.6237, 50.0313,
21.0330

■ 26.3737, 49.4617,
17.6617

■ 29.4540, 50.8898,
25.0270


■ 25.6552, 49.1443,
15.2292


■ 31.9335, 52.0678,
29.6708

■ 35.1248, 53.5985,
34.9937


■ 39.0816, 55.5089,
41.0221

■ 43.8524, 57.8237,
47.7811

 49.4815, 60.5651,
55.2944

 56.0098, 63.7539,
63.5846

 63.4757, 67.4092,
72.6733

 71.9151, 71.5494,
82.5815

Harmonies

Analogous

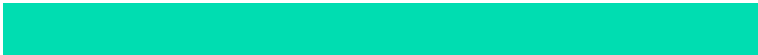
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.9459, 50.0313, 9.4429



27.6237, 50.0313, 21.0330



24.5495, 50.0313, 49.9657

Triad

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



27.6237, 50.0313, 21.0330



45.9513, 50.0313, 181.8323



77.5314, 50.0313, 25.5890

Complementary

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



27.6237, 50.0313, 21.0330



34.4522, 18.2326, 31.4109

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.



81.7192, 50.0313, 59.2490



27.6237, 50.0313, 21.0330



61.4236, 50.0313, 163.4875

Square

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



27.6237, 50.0313, 21.0330



33.6671, 50.0313, 154.0215



75.3085, 50.0313, 112.0698



64.8126, 50.0313, 10.9602

Rectangle

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



27.6237, 50.0313, 21.0330



25.2954, 50.0313, 81.2273



75.3085, 50.0313, 112.0698



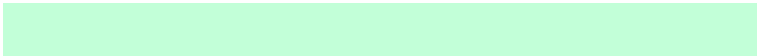
80.0838, 50.0313, 34.3554

Sweetspot

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



27.6249, 50.0333, 21.0341



70.3298, 87.9121, 78.1138



37.9640, 55.6019, 10.7391



14.4122, 18.5044, 15.8652



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.



27.6249, 50.0333, 21.0341



37.8923, 72.3803, 22.8152



34.3352, 52.7174, 56.3699



12.4453, 13.9691, 14.1594



15.3906, 29.4116, 9.3524



0.9673, 1.7896, 0.7693

Inverse Universe

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



34.4522, 18.2326, 31.4109



48.0902, 24.0887, 37.7298



29.7752, 16.3618, 6.7823



12.7545, 12.5533, 14.6472



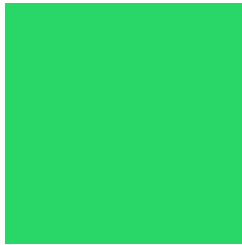
19.5408, 9.7527, 15.4179



1.2176, 0.6038, 1.1350

Previews

White Background



This preview shows how the XYZ color 27.6237, 50.0313, 21.0330 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 27.6237, 50.0313, 21.0330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

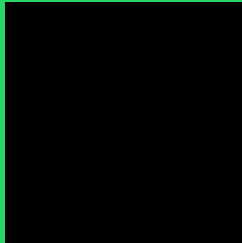
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6237, 50.0313, 21.0330

Background



This preview shows how black text looks on a background with the XYZ color 27.6237, 50.0313, 21.0330.



This preview shows how white text looks on a background with the XYZ color 27.6237, 50.0313,

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

27.6237, 50.0313, 21.0330

Protanopia

44.7115, 48.8873, 17.4356

Deuteranopia

49.7541, 48.6441, 22.3897



Tritanopia

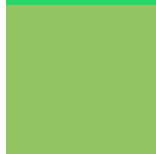
38.1232, 49.5292, 74.5686

Trichromacy



Original Color

27.6237, 50.0313, 21.0330



Protanomaly

33.8010, 46.8153, 18.5640



Deuteranomaly

35.4917, 45.6348, 21.4058



Tritanomaly

32.9211, 49.1777, 49.3521

Monochromacy



Original Color

27.6237, 50.0313, 21.0330



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.8001, 35.2806, 27.6403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6237, 50.0313, 21.0330 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(40, 215, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 215, 103) }
```

Border

The CSS property to change the border of an element to XYZ 27.6237, 50.0313, 21.0330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

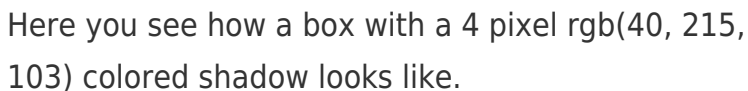
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(40, 215, 103) }
```


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

```
.border{ border-color:rgb(40, 215, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(40, 215, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(40, 215, 103); box-shadow:4px 4px 4px 4px rgb(40, 215, 103) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6237, 50.0313, 21.0330 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, 103) }
```

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

```
.background{ background-color: rgb(40, 215,  
103) }
```

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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