

Converting Colors

XYZ(27.2418, 51.0915, 16.1641)

Have a look what the booklet for
XYZ(27.2418, 51.0915, 16.1641)
contains.

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Color

**XYZ(27.2497, 51.0942,
16.2105)**

Conversions

Conversions Part 1

Format	Color
Hex	23DA51
RGB	35, 218, 81
RGB Percent	14%, 85%, 32%
CMY	0.8627, 0.1451, 0.6823
CMYK	0.84, 0.00, 0.63, 0.15
HSL	135°, 72%, 50%
HSV	135°, 84%, 85%
XYZ	27.2497, 51.0942, 16.2105
YIQ	147.6650, -65.0910, -81.4030

Conversions

Conversions Part 2

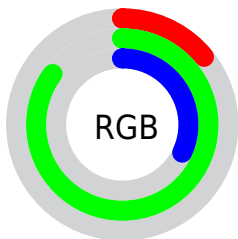
Format	Color
RYB	35, 181, 218
Decimal	2349649
CIELab	76.74, -70.03, 53.89
CIELCh	77, 88.364, 142.421
Yxy	51.0942, 0.2882, 0.5404
Android (android.graphics.Color)	4280539729 (0xFF23DA51)
YUV	147.6650, -32.8658, -98.8072
Hunter-Lab	71.4802, -57.0426, 36.5902

Details

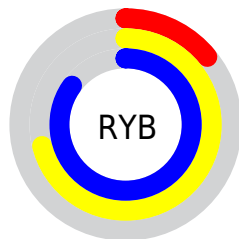
The XYZ color **27.2497, 51.0942, 16.2105** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **36.9621, 19.0867, 40.7662**, and the grayscale version is **28.1617, 29.6283, 32.2652**.

A 20% lighter version of the original color is **47.3356, 76.9823, 35.2859**, and **12.8995, 25.5516, 5.0627** is the 20% darker color. If you saturate the color by 10%, you get **26.1864, 50.6099, 13.3417**, and if you desaturate by 10%, it is **28.9213, 51.8780, 19.8778**.

Distribution



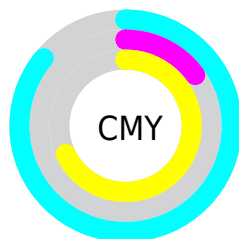
- Red (14%)
- Green (85%)
- Blue (32%)



- Red (14%)
- Yellow (71%)
- Blue (85%)



- Cyan (84%)
- Magenta (0%)
- Yellow (63%)
- Black (15%)



- Cyan (86%)
- Magenta (15%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2497, 51.0942, 16.2105 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 27.2497, 51.0942, 16.2105 by changing the saturation by 10% instead.

■ 27.2497, 51.0942,
16.2105

■ 27.2497, 51.0942,
16.2105

281.0096,
390.9297, 242.4686

■ 17.8984, 36.2836,
9.5173

■ 54.7014, 91.7940,
37.7351

■ 10.9763, 24.6533,
4.9787

■ 73.5324, 118.4520,
53.4036

■ 6.1181, 15.8189,
2.1762

■ 96.2541, 149.8279,
72.9009

■ 2.9584, 9.3961,
0.6606

■ 123.2318,
186.3060, 96.6455

■ 1.1318, 5.0004,
0.0000

■ 154.8309,
228.2709, 125.0561

■ 0.0515, 2.2475,
0.0000

191.4166,

■ 0.0000, 0.7457,

276.1069, 158.5511

0.0000

233.3544,
330.1983, 197.5491

■ 0.0000, 0.0000,
0.0000

■ 27.2497, 51.0942,
16.2105

■ 27.2497, 51.0942,
16.2105

■ 26.1864, 50.6099,
13.3417

■ 28.9213, 51.8780,
19.8778


■ 25.7572, 50.4188,
11.9638


■ 31.2809, 52.9969,
24.3944


■ 34.3994, 54.4879,
29.8108


■ 38.3377, 56.3814,
36.1726

■ 43.1500, 58.7046,
43.5220

 48.8862, 61.4822,
51.8990

 55.5921, 64.7372,
61.3410

 63.3103, 68.4907,
71.8838

 72.0812, 72.7629,
83.5615

Harmonies

Analogous

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



37.2860, 51.0942, 6.5100



27.2497, 51.0942, 16.2105



23.1229, 51.0942, 44.3330

Triad

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



27.2497, 51.0942, 16.2105



44.4385, 51.0942, 206.3013



84.8340, 51.0942, 27.3468

Complementary

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



27.2497, 51.0942, 16.2105



36.9621, 19.0867, 40.7662

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.



87.9959, 51.0942, 68.7061



27.2497, 51.0942, 16.2105



61.9125, 51.0942, 191.8762

Square

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



27.2497, 51.0942, 16.2105



31.4511, 51.0942, 165.4246



78.8209, 51.0942, 132.9730



70.9718, 51.0942, 9.8756

Rectangle

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



27.2497, 51.0942, 16.2105



23.4123, 51.0942, 77.9252



78.8209, 51.0942, 132.9730



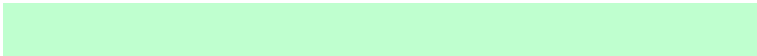
87.2954, 51.0942, 38.0577

Sweetspot

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



27.2509, 51.0963, 16.2117



68.6050, 87.1473, 72.4134



42.4447, 59.0655, 10.7539



14.0437, 18.3427, 14.5709



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.



27.2509, 51.0963, 16.2117



36.6883, 71.8913, 16.8084



33.2363, 53.4905, 47.7303



13.0201, 14.6597, 14.5690



15.4673, 30.2196, 7.3603



1.0367, 1.9716, 0.6591

Inverse Universe

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



36.9621, 19.0867, 40.7662



50.6328, 25.0171, 51.3918



30.9916, 16.6985, 9.3255



13.4672, 13.2160, 15.7217



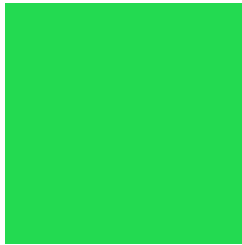
21.3388, 10.5365, 21.9617



1.4162, 0.6961, 1.6006

Previews

White Background



This preview shows how the XYZ color 27.2497, 51.0942, 16.2105 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 27.2497, 51.0942, 16.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

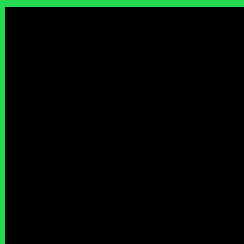
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2497, 51.0942, 16.2105

Background



This preview shows how black text looks on a background with the XYZ color 27.2497, 51.0942, 16.2105.

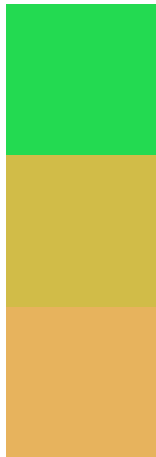


This preview shows how white text looks on a background with the XYZ color 27.2497, 51.0942,

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

27.2497, 51.0942, 16.2105

Protanopia

45.4474, 49.9896, 13.3845

Deuteranopia

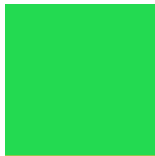
51.0509, 50.0194, 17.3200



Tritanopia

39.1582, 50.7333, 76.1353

Trichromacy



Original Color

27.2497, 51.0942, 16.2105



Protanomaly

33.5475, 47.4658, 14.0503



Deuteranomaly

35.3703, 46.3348, 16.5305



Tritanomaly

32.7286, 49.8809, 45.9332

Monochromacy



Original Color

27.2497, 51.0942, 16.2105



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.6451, 34.4682, 24.4229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2497, 51.0942, 16.2105 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(35, 218, 81)` looks like.

```
.text, #text, p{  
  color:rgb(35, 218, 81)  
}
```

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(35, 218, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 218, 81) }
```

Border

The CSS property to change the border of an element to XYZ 27.2497, 51.0942, 16.2105 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(35, 218, 81) }
```


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

```
.border{ border-color:rgb(35, 218, 81) }
```

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

Here you see how a box with a 4 pixel rgb(35, 218, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 218, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 218, 81);  
box-shadow:4px 4px 4px 4px rgb(35, 218,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2497, 51.0942, 16.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 218, 81) }
```

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

```
.background{ background-color: rgb(35, 218,  
81) }
```

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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