

Converting Colors

XYZ(27.1021, 51.4320, 14.1643)

Have a look what the booklet for
XYZ(27.1021, 51.4320, 14.1643)
contains.

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Color

**XYZ(27.0988, 51.4500,
14.1328)**

Conversions

Conversions Part 1

Format	Color
Hex	23DB45
RGB	35, 219, 69
RGB Percent	14%, 86%, 27%
CMY	0.8627, 0.1412, 0.7294
CMYK	0.84, 0.00, 0.68, 0.14
HSL	131°, 72%, 50%
HSV	131°, 84%, 86%
XYZ	27.0988, 51.4500, 14.1328
YIQ	146.8840, -61.5140, -85.6580

Conversions

Conversions Part 2

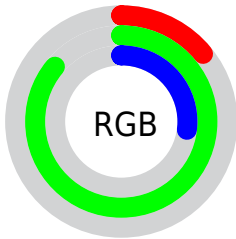
Format	Color
RYB	35, 190, 219
Decimal	2349893
CIELab	76.95, -71.57, 59.00
CIELCh	77, 92.748, 140.499
Yxy	51.4500, 0.2924, 0.5551
Android (android.graphics.Color)	4280539973 (0xFF23DB45)
YUV	146.8840, -38.3968, -98.1223
Hunter-Lab	71.7287, -58.0886, 38.5281

Details

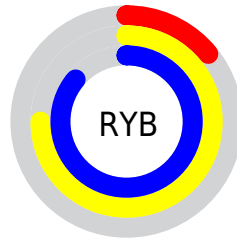
The XYZ color **27.0988, 51.4500, 14.1328** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **38.5726, 19.7656, 47.6810**, and the grayscale version is **27.8583, 29.3091, 31.9176**.

A 20% lighter version of the original color is **46.6005, 76.6882, 31.4150**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **26.1009, 50.9917, 11.6163**, and if you desaturate by 10%, it is **28.7288, 52.2178, 17.5513**.

Distribution



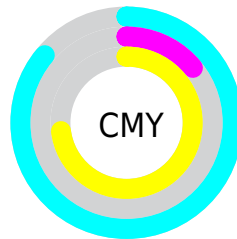
- Red (14%)
- Green (86%)
- Blue (27%)



- Red (14%)
- Yellow (75%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (68%)
- Black (14%)



- Cyan (86%)
- Magenta (14%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0988, 51.4500, 14.1328 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 27.0988, 51.4500, 14.1328 by changing the saturation by 10% instead.

■ 27.0988, 51.4500,
14.1328

■ 27.0988, 51.4500,
14.1328

280.2940,
392.3096, 229.5125

■ 17.7844, 36.5669,
8.0733

■ 54.4611, 92.3196,
34.0450

■ 10.8941, 24.8723,
4.0534

■ 73.2398, 119.0749,
48.7347

■ 6.0624, 15.9819,
1.6547

■ 95.9039, 150.5563,
67.1383

■ 2.9241, 9.5114,
0.3294

■ 122.8189,
187.1483, 89.6743

■ 1.1137, 5.0762,
0.0000

■ 154.3500,
229.2352, 116.7611

■ 0.0366, 2.2920,
0.0000

190.8627,

■ 0.0000, 0.7695,

277.2014, 148.8174

0.0000

232.7222,
331.4315, 186.2617

■ 0.0000, 0.0000,
0.0000

■ 27.0988, 51.4500,
14.1328

■ 27.0988, 51.4500,
14.1328

■ 26.1009, 50.9917,
11.6163

■ 28.7288, 52.2178,
17.5513


■ 25.7236, 50.8215,
10.5036


■ 31.0755, 53.3328,
21.9433


■ 34.2140, 54.8338,
27.3770


■ 38.2086, 56.7525,
33.9132

■ 43.1171, 59.1177,
41.6084

 48.9918, 61.9552,
50.5150

 55.8815, 65.2890,
60.6822

 63.8313, 69.1416,
72.1565

 72.8837, 73.5337,
84.9821

Harmonies

Analogous

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



37.9468, 51.4500, 5.3788



27.0988, 51.4500, 14.1328



22.4718, 51.4500, 41.4503

Triad

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



27.0988, 51.4500, 14.1328



43.5073, 51.4500, 217.1229



88.1089, 51.4500, 28.3965

Complementary

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



27.0988, 51.4500, 14.1328



38.5726, 19.7656, 47.6810

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.



90.6269, 51.4500, 73.6578



27.0988, 51.4500, 14.1328



61.7848, 51.4500, 205.4351

Square

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



27.0988, 51.4500, 14.1328



30.3240, 51.4500, 169.5721



80.0662, 51.4500, 143.4590



73.8415, 51.4500, 9.4964

Rectangle

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



27.0988, 51.4500, 14.1328



22.5330, 51.4500, 75.6778



80.0662, 51.4500, 143.4590



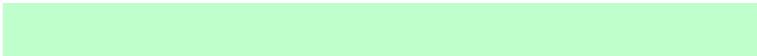
90.4720, 51.4500, 40.1007

Sweetspot

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



27.1000, 51.4521, 14.1340



68.0920, 86.9421, 69.7120



45.7087, 61.1343, 10.9812



13.9240, 18.2949, 13.9408



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.



27.1000, 51.4521, 14.1340



36.2756, 71.7262, 14.6351



32.4355, 53.5863, 42.2301



12.9843, 14.6454, 14.3804



15.2817, 30.1453, 6.3829



1.0196, 1.9648, 0.5691

Inverse Universe

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



38.5726, 19.7656, 47.6810



52.6099, 25.8079, 61.8029



31.8033, 17.0579, 12.0347



13.5058, 13.2314, 15.9247



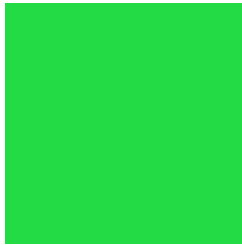
22.1564, 10.8636, 26.2673



1.4627, 0.7147, 1.8457

Previews

White Background



This preview shows how the XYZ color 27.0988, 51.4500, 14.1328 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 27.0988, 51.4500, 14.1328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

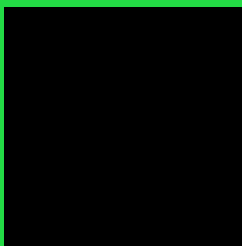
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

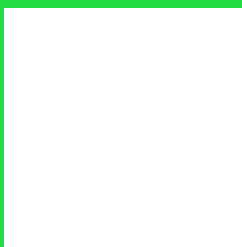
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0988, 51.4500, 14.1328

Background



This preview shows how black text looks on a background with the XYZ color 27.0988, 51.4500, 14.1328.

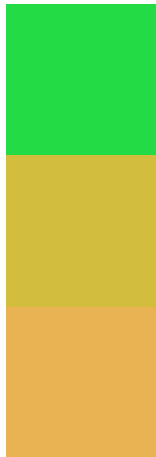


This preview shows how white text looks on a background with the XYZ color 27.0988, 51.4500,

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

27.0988, 51.4500, 14.1328

Protanopia

45.9039, 50.5810, 11.7586

Deuteranopia

51.2857, 50.1884, 15.1679



Tritanopia

39.4986, 51.2628, 76.2195

Trichromacy



Original Color

27.0988, 51.4500, 14.1328



Protanomaly

33.6123, 47.8818, 12.3210



Deuteranomaly

35.3649, 46.7107, 14.3599



Tritanomaly

32.6772, 50.2628, 44.0558

Monochromacy



Original Color

27.0988, 51.4500, 14.1328



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.2172, 34.2832, 22.7937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0988, 51.4500, 14.1328 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, 219, 69)` looks like.

```
.text, #text, p{  
    color:rgb(35, 219, 69)  
}
```

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, 219, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 219, 69) }
```

Border

The CSS property to change the border of an element to XYZ 27.0988, 51.4500, 14.1328 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, 219, 69) }
```


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

```
.border{ border-color:rgb(35, 219, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 219, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 219, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 219, 69);  
box-shadow:4px 4px 4px 4px rgb(35, 219,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0988, 51.4500, 14.1328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 219, 69) }
```

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

```
.background{ background-color: rgb(35, 219,  
69) }
```

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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