

Converting Colors

XYZ(28.2597, 51.9592, 18.4700)

Have a look what the booklet for
XYZ(28.2597, 51.9592, 18.4700)
contains.

XYZ(28.2586, 51.9538, 18.4362)	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(28.2586, 51.9538,
18.4362)**

Conversions

Conversions Part 1

Format	Color
Hex	2CDB5B
RGB	44, 219, 91
RGB Percent	17%, 86%, 36%
CMY	0.8274, 0.1412, 0.6431
CMYK	0.80, 0.00, 0.58, 0.14
HSL	136°, 71%, 52%
HSV	136°, 80%, 86%
XYZ	28.2586, 51.9538, 18.4362
YIQ	152.0830, -63.2120, -76.9080

Conversions

Conversions Part 2

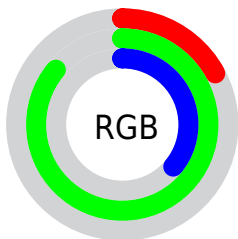
Format	Color
RYB	44, 182, 219
Decimal	2939739
CIELab	77.25, -68.24, 50.14
CIELCh	77, 84.677, 143.695
Yxy	51.9538, 0.2865, 0.5267
Android (android.graphics.Color)	4281129819 (0xFF2CDB5B)
YUV	152.0830, -30.1139, -94.7888
Hunter-Lab	72.0790, -56.1572, 35.2902

Details

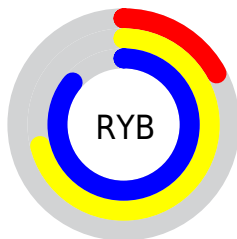
The XYZ color **28.2586, 51.9538, 18.4362** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.5622, 19.8411, 40.8820**, and the grayscale version is **30.0278, 31.5916, 34.4033**.

A 20% lighter version of the original color is **48.6166, 77.5574, 39.1958**, and **13.2543, 25.9742, 6.0652** is the 20% darker color. If you saturate the color by 10%, you get **26.9351, 51.3445, 15.1448**, and if you desaturate by 10%, it is **30.2279, 52.8819, 22.5301**.

Distribution



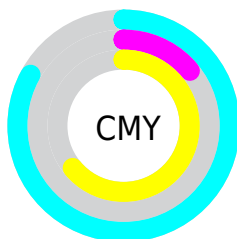
- Red (17%)
- Green (86%)
- Blue (36%)



- Red (17%)
- Yellow (71%)
- Blue (86%)



- Cyan (80%)
- Magenta (0%)
- Yellow (58%)
- Black (14%)



- Cyan (83%)
- Magenta (14%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2586, 51.9538, 18.4362 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 28.2586, 51.9538, 18.4362 by changing the saturation by 10% instead.

■ 28.2586, 51.9538,
18.4362

■ 28.2586, 51.9538,
18.4362

285.7583,
394.2582, 255.6365

■ 18.6621, 36.9683,
11.0909

■ 56.3028, 93.0631,
41.6031

■ 11.5290, 25.1829,
6.0131

■ 75.4813, 119.9556,
58.2619

■ 6.4937, 16.2134,
2.7841

■ 98.5844, 151.5860,
78.8622

■ 3.1910, 9.6753,
0.9855

■ 125.9776,
188.3385, 103.8227

■ 1.2556, 5.1842,
0.0000

■ 158.0263,
230.5976, 133.5618

■ 0.1496, 2.3557,
0.0000

195.0957,

■ 0.0000, 0.8030,

278.7476, 168.4981

0.0000

237.5512,
333.1730, 209.0502

■ 0.0000, 0.0000,
0.0000

■ 28.2586, 51.9538,
18.4362

■ 28.2586, 51.9538,
18.4362

■ 26.9351, 51.3445,
15.1448

■ 30.2279, 52.8819,
22.5301

■ 26.1236, 50.9817,
12.5967

■ 32.9163, 54.1613,
27.4716

■ 26.1172, 50.9788,
12.5763

■ 36.3909, 55.8269,
33.3066

■ 40.7096, 57.9080,
40.0765

■ 45.9250, 60.4306,
47.8202

■ 52.0851, 63.4189,
56.5744

■ 59.2344, 66.8950,
66.3737

■ 67.4146, 70.8798,
77.2513

■ 76.6651, 75.3928,
89.2387

Harmonies

Analogous

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



37.8707, 51.9538, 7.8507



28.2586, 51.9538, 18.4362



24.4029, 51.9538, 47.3103

Triad

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



28.2586, 51.9538, 18.4362



46.0320, 51.9538, 200.0252



83.8249, 51.9538, 27.7162

Complementary

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



28.2586, 51.9538, 18.4362



37.5622, 19.8411, 40.8820

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.



87.3485, 51.9538, 66.9628



28.2586, 51.9538, 18.4362



63.0139, 51.9538, 184.2267

Square

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



28.2586, 51.9538, 18.4362



33.1117, 51.9538, 163.4921



79.0419, 51.9538, 127.7046



70.2589, 51.9538, 10.7865

Rectangle

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



28.2586, 51.9538, 18.4362



24.8421, 51.9538, 80.4779



79.0419, 51.9538, 127.7046



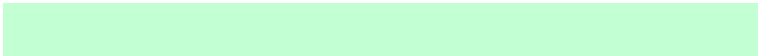
86.3308, 51.9538, 37.9369

Sweetspot

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



28.2599, 51.9559, 18.4374



69.6192, 87.6278, 74.3718



42.8746, 59.6557, 11.6383



14.2442, 18.4372, 14.9804



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.



28.2599, 51.9559, 18.4374



37.1903, 72.1069, 18.7854



34.4244, 54.4217, 50.8994



13.0294, 14.6634, 14.6179



15.5248, 30.2426, 7.6632



1.0415, 1.9735, 0.6845

Inverse Universe

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



37.5622, 19.8411, 40.8820



50.5637, 25.1666, 50.4818



31.7486, 17.5156, 10.2681



13.4573, 13.2120, 15.6696



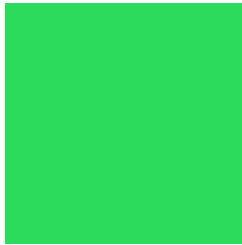
21.1419, 10.4578, 20.9250



1.4048, 0.6916, 1.5407

Previews

White Background



This preview shows how the XYZ color 28.2586, 51.9538, 18.4362 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 28.2586, 51.9538, 18.4362 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

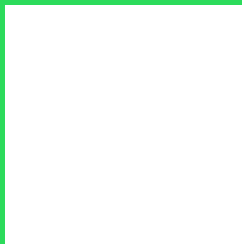
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2586, 51.9538, 18.4362

Background



This preview shows how black text looks on a background with the XYZ color 28.2586, 51.9538, 18.4362.

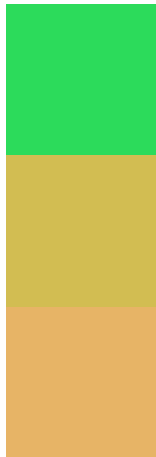


This preview shows how white text looks on a background with the XYZ color 28.2586, 51.9538,

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

28.2586, 51.9538, 18.4362

Protanopia

46.2989, 50.7060, 15.3297

Deuteranopia

51.6745, 50.5907, 19.6118



Tritanopia

39.9754, 51.8494, 77.0083

Trichromacy



Original Color

28.2586, 51.9538, 18.4362



Protanomaly

34.8716, 48.4485, 16.1079



Deuteranomaly

36.6006, 47.2519, 18.7468



Tritanomaly

33.9147, 51.1810, 48.1358

Monochromacy



Original Color

28.2586, 51.9538, 18.4362



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.3647, 36.1731, 26.7116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2586, 51.9538, 18.4362 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(44, 219, 91)` looks like.

```
.text, #text, p{  
    color:rgb(44, 219, 91)  
}
```

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(44, 219, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 219, 91) }
```

Border

The CSS property to change the border of an element to XYZ 28.2586, 51.9538, 18.4362 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(44, 219, 91) }
```


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

```
.border{ border-color:rgb(44, 219, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 219, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 219, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 219, 91);  
box-shadow:4px 4px 4px 4px rgb(44, 219,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2586, 51.9538, 18.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 219, 91) }
```

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

```
.background{ background-color: rgb(44, 219,  
91) }
```

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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