

Converting Colors

XYZ(27.2886, 50.7217, 16.5356)

Have a look what the booklet for
XYZ(27.2886, 50.7217, 16.5356)
contains.

XYZ(27.2886, 50.7217, 16.5356)	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(27.2886, 50.7217,
16.5356)**

Conversions

Conversions Part 1

Format	Color
Hex	29D953
RGB	41, 217, 83
RGB Percent	16%, 85%, 33%
CMY	0.8392, 0.1490, 0.6745
CMYK	0.81, 0.00, 0.62, 0.15
HSL	134°, 70%, 51%
HSV	134°, 81%, 85%
XYZ	27.2886, 50.7217, 16.5356
YIQ	149.1000, -61.8820, -78.9860

Conversions

Conversions Part 2

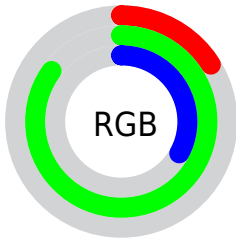
Format	Color
RYB	41, 183, 217
Decimal	2742611
CIELab	76.51, -68.90, 52.80
CIELCh	77, 86.802, 142.538
Yxy	50.7217, 0.2886, 0.5365
Android (android.graphics.Color)	4280932691 (0xFF29D953)
YUV	149.1000, -32.5873, -94.8037
Hunter-Lab	71.2192, -56.2388, 36.0875

Details

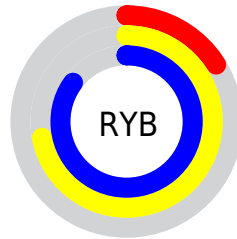
The XYZ color **27.2886, 50.7217, 16.5356** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.1473, 19.4334, 42.3506**, and the grayscale version is **28.7617, 30.2596, 32.9527**.

A 20% lighter version of the original color is **47.7466, 77.1777, 36.0472**, and **12.7573, 25.2162, 5.1721** is the 20% darker color. If you saturate the color by 10%, you get **26.0860, 50.1683, 13.5377**, and if you desaturate by 10%, it is **29.1220, 51.5856, 20.3586**.

Distribution



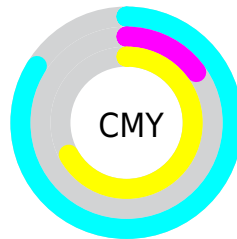
- Red (16%)
- Green (85%)
- Blue (33%)



- Red (16%)
- Yellow (72%)
- Blue (85%)



- Cyan (81%)
- Magenta (0%)
- Yellow (62%)
- Black (15%)



- Cyan (84%)
- Magenta (15%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2886, 50.7217, 16.5356 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 27.2886, 50.7217, 16.5356 by changing the saturation by 10% instead.

■ 27.2886, 50.7217,
16.5356

■ 27.2886, 50.7217,
16.5356

281.1939,
389.4816, 244.4344

■ 17.9278, 35.9872,
9.7455

■ 54.7633, 91.2433,
38.3052

■ 10.9975, 24.4243,
5.1272

■ 73.6078, 117.7991,
54.1218

■ 6.1325, 15.6487,
2.2620

■ 96.3443, 149.0641,
73.7843

■ 2.9672, 9.2759,
0.7098

■ 123.3382,
185.4228, 97.7113

■ 1.1364, 4.9216,
0.0000

■ 154.9547,
227.2595, 126.3212

■ 0.0553, 2.2013,
0.0000

191.5593,

■ 0.0000, 0.7207,

274.9586, 160.0327

0.0000

233.5172,
328.9045, 199.2643

■ 0.0000, 0.0000,
0.0000

■ 27.2886, 50.7217,
16.5356

■ 27.2886, 50.7217,
16.5356

■ 26.0860, 50.1683,
13.5377

■ 29.1220, 51.5856,
20.3586

■ 25.4290, 49.8738,
11.5103

■ 31.6611, 52.7932,
25.0587

■ 34.9737, 54.3797,
30.6873

■ 39.1182, 56.3744,
37.2911

■ 44.1475, 58.8036,
44.9133

■ 50.1099, 61.6914,
53.5947

■ 57.0502, 65.0600,
63.3738

■ 65.0102, 68.9302,
74.2872

■ 74.0294, 73.3217,
86.3697

Harmonies

Analogous

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



37.1208, 50.7217, 6.7944



27.2886, 50.7217, 16.5356



23.2458, 50.7217, 44.3260

Triad

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



27.2886, 50.7217, 16.5356



44.2354, 50.7217, 201.5484



83.5266, 50.7217, 27.3747

Complementary

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



27.2886, 50.7217, 16.5356



37.1473, 19.4334, 42.3506

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.



86.6488, 50.7217, 67.7837



27.2886, 50.7217, 16.5356



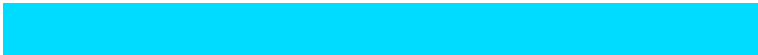
61.3119, 50.7217, 187.3803

Square

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



27.2886, 50.7217, 16.5356



31.4838, 50.7217, 162.1652



77.7664, 50.7217, 130.2250



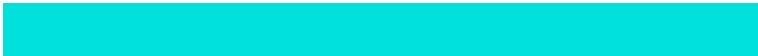
70.0059, 50.7217, 10.1219

Rectangle

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



27.2886, 50.7217, 16.5356



23.5448, 50.7217, 77.2051



77.7664, 50.7217, 130.2250



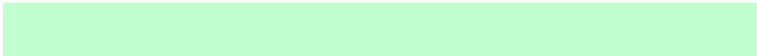
85.9349, 50.7217, 37.8746

Sweetspot

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



27.2898, 50.7238, 16.5368



69.3920, 87.5369, 73.1754



43.1042, 59.0106, 11.2162



14.1907, 18.4158, 14.6988



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.



27.2898, 50.7238, 16.5368



36.8593, 71.9708, 17.2092



32.9906, 53.0041, 46.5568



13.0133, 14.6569, 14.5328



15.4273, 30.2036, 7.1498



1.0332, 1.9702, 0.6411

Inverse Universe

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



37.1473, 19.4334, 42.3506



51.2833, 25.4102, 54.4079



31.1681, 17.0417, 10.8649



13.4746, 13.2189, 15.7604



21.4882, 10.5963, 22.7488



1.4248, 0.6996, 1.6458

Previews

White Background



This preview shows how the XYZ color 27.2886, 50.7217, 16.5356 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 27.2886, 50.7217, 16.5356 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 27.2886, 50.7217, 16.5356

Background



This preview shows how black text looks on a background with the XYZ color 27.2886, 50.7217, 16.5356.



This preview shows how white text looks on a background with the XYZ color 27.2886, 50.7217,

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

27.2886, 50.7217, 16.5356

Protanopia

45.0188, 49.4450, 13.6497

Deuteranopia

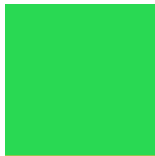
50.6191, 49.4900, 17.7111



Tritanopia

38.8903, 50.2589, 75.3613

Trichromacy



Original Color

27.2886, 50.7217, 16.5356



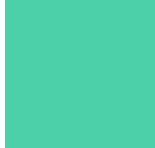
Protanomaly

33.5663, 47.1270, 14.3485



Deuteranomaly

35.4359, 46.0317, 16.9149



Tritanomaly

32.7132, 49.5099, 45.8624

Monochromacy



Original Color

27.2886, 50.7217, 16.5356



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.2681, 35.0678, 24.8390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2886, 50.7217, 16.5356 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(41, 217, 83)` looks like.

```
.text, #text, p{  
    color:rgb(41, 217, 83)  
}
```

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(41, 217, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 217, 83) }
```

Border

The CSS property to change the border of an element to XYZ 27.2886, 50.7217, 16.5356 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(41, 217, 83) }
```


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

```
.border{ border-color:rgb(41, 217, 83) }
```

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

Here you see how a box with a 4 pixel rgb(41, 217, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 217, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 217, 83);  
box-shadow:4px 4px 4px 4px rgb(41, 217,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2886, 50.7217, 16.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 217, 83) }
```

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

```
.background{ background-color: rgb(41, 217,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor