

Converting Colors

XYZ(28.7670, 55.0673, 15.2438)

Have a look what the booklet for
XYZ(28.7670, 55.0673, 15.2438)
contains.

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Color

**XYZ(28.7670, 55.0673,
15.2438)**

Conversions

Conversions Part 1

Format	Color
Hex	19E248
RGB	25, 226, 72
RGB Percent	10%, 89%, 28%
CMY	0.9019, 0.1137, 0.7176
CMYK	0.89, 0.00, 0.68, 0.11
HSL	134°, 80%, 49%
HSV	134°, 89%, 89%
XYZ	28.7670, 55.0673, 15.2438
YIQ	148.3450, -70.3620, -90.5060

Conversions

Conversions Part 2

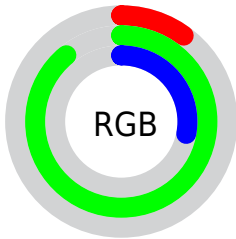
Format	Color
R_{YB}	25, 188, 226
Decimal	1696328
CIE _{Lab}	79.08, -74.12, 60.08
CIE _{LCh}	79, 95.416, 140.974
Yxy	55.0673, 0.2903, 0.5558
Android (android.graphics.Color)	4279886408 (0xFF19E248)
YUV	148.3450, -37.6381, -108.1736
Hunter-Lab	74.2073, -60.6661, 39.7657

Details

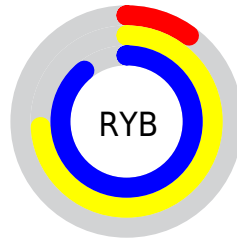
The XYZ color **28.7670, 55.0673, 15.2438** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **39.8499, 20.1196, 44.4321**, and the grayscale version is **28.4675, 29.9501, 32.6156**.

A 20% lighter version of the original color is **46.6610, 76.6971, 32.4234**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **27.9097, 54.6833, 12.6595**, and if you desaturate by 10%, it is **30.2145, 55.7404, 18.6885**.

Distribution



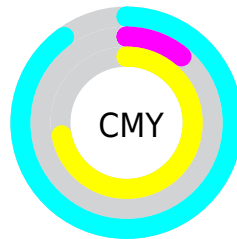
- Red (10%)
- Green (89%)
- Blue (28%)



- Red (10%)
- Yellow (74%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (68%)
- Black (11%)



- Cyan (90%)
- Magenta (11%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7670, 55.0673, 15.2438 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 28.7670, 55.0673, 15.2438 by changing the saturation by 10% instead.

■ 28.7670, 55.0673,
15.2438

■ 28.7670, 55.0673,
15.2438

288.1281,
406.1670, 236.5286

■ 19.0480, 39.4556,
8.8421

■ 57.1068, 97.6396,
36.0286

■ 11.8092, 27.1143,
4.5430

■ 76.4584, 125.3689,
51.2489

■ 6.6852, 17.6591,
1.9277

■ 99.7515, 157.9063,
70.2458

■ 3.3106, 10.7055,
0.5103

■ 127.3515,
195.6360, 93.4379

■ 1.3200, 5.8692,
0.0000

■ 159.6239,
238.9426, 121.2436

■ 0.1981, 2.7657,
0.0000

196.9338,

■ 0.0000, 1.0107,

288.2103, 154.0817

0.0000

239.6468,
343.8237, 192.3704

■ 0.0000, 0.0000,
0.0000

■ 28.7670, 55.0673,
15.2438

■ 28.7670, 55.0673,
15.2438

■ 27.9097, 54.6833,
12.6595

■ 30.2145, 55.7404,
18.6885


■ 27.8366, 54.6506,
12.4314


■ 32.3727, 56.7585,
23.0591


■ 35.3270, 58.1659,
28.4181


■ 39.1487, 59.9983,
34.8213

■ 43.9015, 62.2874,
42.3203

 49.6425, 65.0617,
50.9634

 56.4245, 68.3473,
60.7958

 64.2964, 72.1686,
71.8604

 73.3038, 76.5484,
84.1979

Harmonies

Analogous

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



40.3147, 55.0673, 5.7046



28.7670, 55.0673, 15.2438



23.9008, 55.0673, 44.9879

Triad

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



28.7670, 55.0673, 15.2438



46.8115, 55.0673, 234.1872



94.4332, 55.0673, 29.7489

Complementary

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



28.7670, 55.0673, 15.2438



39.8499, 20.1196, 44.4321

Split Complementary

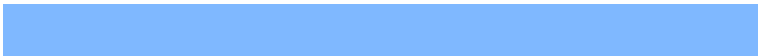
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.3822, 55.0673, 77.9297



28.7670, 55.0673, 15.2438



66.5459, 55.0673, 220.4750

Square

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



28.7670, 55.0673, 15.2438



32.5304, 55.0673, 183.6138



86.1858, 55.0673, 152.9970



78.8984, 55.0673, 9.8581

Rectangle

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



28.7670, 55.0673, 15.2438



24.0290, 55.0673, 82.1790



86.1858, 55.0673, 152.9970



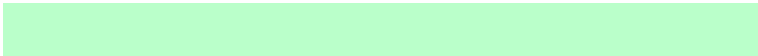
97.0561, 55.0673, 42.1554

Sweetspot

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



28.7683, 55.0696, 15.2450



66.7364, 86.2540, 69.1637



45.9874, 64.0612, 10.8612



13.6791, 18.1690, 13.9105



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.



28.7683, 55.0696, 15.2450



36.5658, 71.8423, 16.1635



35.0837, 57.5957, 48.5014



13.6595, 15.3895, 15.2419



15.9183, 31.1922, 7.2927



1.1378, 2.1758, 0.6867

Inverse Universe

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



39.8499, 20.1196, 44.4321



51.1323, 25.2169, 54.0223



33.1099, 17.4236, 8.9397



14.1508, 13.8779, 16.5641



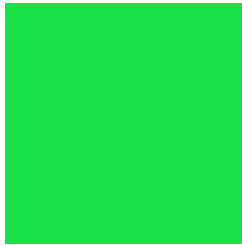
22.2527, 10.9681, 23.7943



1.5761, 0.7737, 1.8265

Previews

White Background



This preview shows how the XYZ color 28.7670, 55.0673, 15.2438 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 28.7670, 55.0673, 15.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

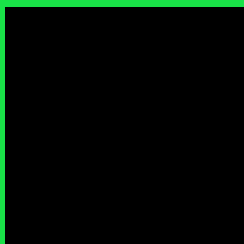
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7670, 55.0673, 15.2438

Background



This preview shows how black text looks on a background with the XYZ color 28.7670, 55.0673, 15.2438.



This preview shows how white text looks on a background with the XYZ color 28.7670, 55.0673,

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

28.7670, 55.0673, 15.2438

Protanopia

48.8043, 53.6942, 12.4944

Deuteranopia

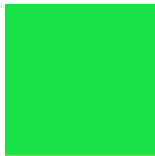
54.7554, 53.4781, 16.2405



Tritanopia

41.9139, 54.5697, 81.7227

Trichromacy



Original Color

28.7670, 55.0673, 15.2438



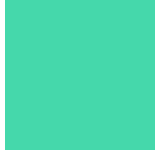
Protanomaly

35.0873, 50.7390, 13.0986



Deuteranomaly

36.8089, 49.1223, 15.3261



Tritanomaly

34.3608, 53.3172, 47.0083

Monochromacy



Original Color

28.7670, 55.0673, 15.2438



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.5090, 35.2903, 23.2892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7670, 55.0673, 15.2438 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(25, 226, 72)` looks like.

```
.text, #text, p{  
    color:rgb(25, 226, 72)  
}
```

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(25, 226, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 226, 72) }
```

Border

The CSS property to change the border of an element to XYZ 28.7670, 55.0673, 15.2438 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(25, 226, 72) }
```


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

```
.border{ border-color:rgb(25, 226, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 226, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 226, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 226, 72);  
box-shadow:4px 4px 4px 4px rgb(25, 226,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7670, 55.0673, 15.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 226, 72) }
```

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

```
.background{ background-color: rgb(25, 226,  
72) }
```

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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