

Converting Colors

XYZ(15.4789, 29.5277, 6.3325)

Have a look what the booklet for
XYZ(15.4789, 29.5277, 6.3325)
contains.

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Color

**XYZ(15.4971, 29.5757,
6.3307)**

Conversions

Conversions Part 1

Format	Color
Hex	22AB21
RGB	34, 171, 33
RGB Percent	13%, 67%, 13%
CMY	0.8667, 0.3294, 0.8706
CMYK	0.80, 0.00, 0.81, 0.33
HSL	120°, 68%, 40%
HSV	120°, 81%, 67%
XYZ	15.4971, 29.5757, 6.3307
YIQ	114.3050, -37.3540, -71.9620

Conversions

Conversions Part 2

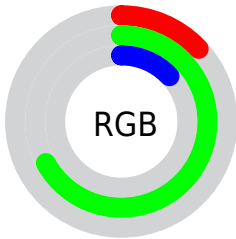
Format	Color
RYB	33, 171, 170
Decimal	2272033
CIELab	61.29, -59.98, 55.77
CIELCh	61, 81.901, 137.081
Yxy	29.5757, 0.3015, 0.5754
Android (android.graphics.Color)	4280462113 (0xFF22AB21)
YUV	114.3050, -40.0834, -70.4275
Hunter-Lab	54.3835, -44.3060, 31.1666

Details

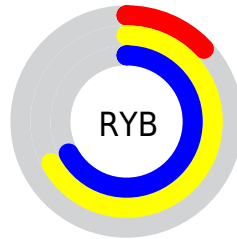
The XYZ color **15.4971, 29.5757, 6.3307** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.4744, 12.5754, 39.6670**, and the grayscale version is **16.2115, 17.0558, 18.5737**.

A 20% lighter version of the original color is **35.4146, 59.2282, 19.2385**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.8879, 29.2835, 5.3541**, and if you desaturate by 10%, it is **16.5056, 30.0614, 7.9621**.

Distribution



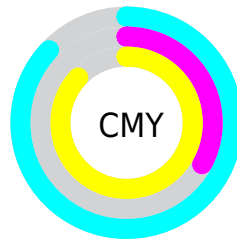
- Red (13%)
- Green (67%)
- Blue (13%)



- Red (13%)
- Yellow (67%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (81%)
- Black (33%)





- Cyan (87%)
- Magenta (33%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4971, 29.5757, 6.3307 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 15.4971, 29.5757, 6.3307 by changing the saturation by 10% instead.


 15.4971, 29.5757,
6.3307


 15.4971, 29.5757,
6.3307


219.6848,
299.9217, 171.3946


 9.2576, 19.5168,
2.9752

 35.2875, 58.9905,
19.1029


 4.9680, 12.0443,
1.0820


 49.5690, 79.1152,
29.3567


 2.2631, 6.7738,
0.0000


 67.2619, 103.3639,
42.7469

 0.7757, 3.3211,
0.0000

 88.7316, 132.1210,
59.6922

 0.0000, 1.3016,
0.0000

 114.3434,
165.7710, 80.6111

 0.0000, 0.1424,
0.0000

 144.4626,

 0.0000, 0.0000,

204.6981, 105.9221

0.0000

179.4546,
249.2869, 136.0437

■ 15.4971, 29.5757,
6.3307

■ 15.4971, 29.5757,
6.3307

■ 14.8879, 29.2835,
5.3541

■ 16.5056, 30.0614,
7.9621

■ 14.5789, 29.1350,
4.8552

■ 17.9635, 30.7620,
10.3336

■ 19.9159, 31.7000,
13.5197

■ 22.4016, 32.8940,
17.5852

■ 25.4558, 34.3610,
22.5887

■ 29.1106, 36.1162,
28.5834

■ 33.3958, 38.1740,
35.6188

■ 38.3391, 40.5477,
43.7410

■ 43.9665, 43.2498,
52.9932

Harmonies

Analogous

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



22.4502, 29.5757, 2.2600



15.4971, 29.5757, 6.3307



12.3581, 29.5757, 20.6680

Triad

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



15.4971, 29.5757, 6.3307



23.7255, 29.5757, 131.6733



52.9520, 29.5757, 17.7213

Complementary

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



15.4971, 29.5757, 6.3307



24.4744, 12.5754, 39.6670

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.



53.5485, 29.5757, 47.3864



15.4971, 29.5757, 6.3307



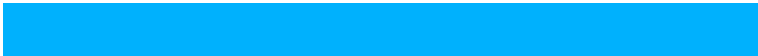
34.6509, 29.5757, 128.8402

Square

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



15.4971, 29.5757, 6.3307



16.2240, 29.5757, 98.1952



46.1917, 29.5757, 91.9223



44.7251, 29.5757, 5.3548

Rectangle

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



15.4971, 29.5757, 6.3307



12.1473, 29.5757, 40.0910



46.1917, 29.5757, 91.9223



54.1140, 29.5757, 25.4239

Sweetspot

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



15.4978, 29.5769, 6.3314



49.5659, 63.4466, 46.9765



31.2027, 37.0337, 6.9429



10.5513, 13.9077, 9.6524



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.4978, 29.5769, 6.3314



26.2206, 52.2304, 8.8906



17.4769, 30.3648, 16.9216



7.9096, 8.9420, 8.5225



10.9919, 21.9636, 3.6601



0.3075, 0.6119, 0.1019

Inverse Universe

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



24.4744, 12.5754, 39.6670



42.8428, 20.6727, 70.7341



19.8535, 10.7520, 14.2069



8.3313, 8.1451, 10.0857



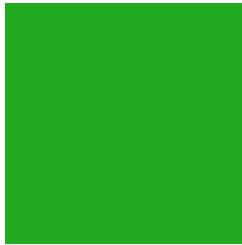
18.0026, 8.6406, 29.7635



0.5026, 0.2413, 0.8281

Previews

White Background



This preview shows how the XYZ color 15.4971, 29.5757, 6.3307 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4971, 29.5757, 6.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

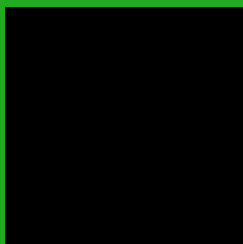
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.4971, 29.5757, 6.3307

Background



This preview shows how black text looks on a background with the XYZ color 15.4971, 29.5757, 6.3307.



This preview shows how white text looks on a background with the XYZ color 15.4971, 29.5757,

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

15.4971, 29.5757, 6.3307

Protanopia

26.1486, 28.9459, 5.2458

Deuteranopia

29.5333, 28.8690, 6.8120



Tritanopia

22.9051, 29.3526, 43.4881

Trichromacy



Original Color

15.4971, 29.5757, 6.3307



Protanomaly

19.4464, 27.6476, 5.4740



Deuteranomaly

20.5559, 26.9748, 6.4087



Tritanomaly

18.4729, 28.5670, 22.6295

Monochromacy



Original Color

15.4971, 29.5757, 6.3307



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.0500, 19.9151, 11.6978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4971, 29.5757, 6.3307 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(34, 171, 33)` looks like.

```
.text, #text, p{  
    color:rgb(34, 171, 33)  
}
```

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(34, 171, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 171, 33) }
```

Border

The CSS property to change the border of an element to XYZ 15.4971, 29.5757, 6.3307 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(34, 171, 33) }
```


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

```
.border{ border-color:rgb(34, 171, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 171, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 171, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 171, 33);  
box-shadow:4px 4px 4px 4px rgb(34, 171,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4971, 29.5757, 6.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 171, 33) }
```

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

```
.background{ background-color: rgb(34, 171,  
33) }
```

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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