

Converting Colors

XYZ(15.5209, 29.4821, 6.8801)

Have a look what the booklet for
XYZ(15.5209, 29.4821, 6.8801)
contains.

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Color

**XYZ(15.5731, 29.6024,
6.9005)**

Conversions

Conversions Part 1

Format	Color
Hex	21AB28
RGB	33, 171, 40
RGB Percent	13%, 67%, 16%
CMY	0.8706, 0.3294, 0.8431
CMYK	0.81, 0.00, 0.77, 0.33
HSL	123°, 68%, 40%
HSV	123°, 81%, 67%
XYZ	15.5731, 29.6024, 6.9005
YIQ	114.8040, -40.1970, -69.9970

Conversions

Conversions Part 2

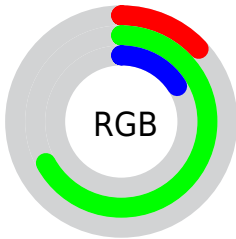
Format	Color
RYB	33, 164, 171
Decimal	2206504
CIELab	61.31, -59.63, 53.55
CIELCh	61, 80.149, 138.074
Yxy	29.6024, 0.2990, 0.5684
Android (android.graphics.Color)	4280396584 (0xFF21AB28)
YUV	114.8040, -36.8784, -71.7421
Hunter-Lab	54.4081, -44.1225, 30.5660

Details

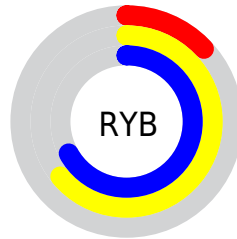
The XYZ color **15.5731, 29.6024, 6.9005** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.0398, 12.4262, 36.2523**, and the grayscale version is **16.3538, 17.2055, 18.7368**.

A 20% lighter version of the original color is **35.5179, 59.2561, 20.3921**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.9380, 29.3014, 5.7202**, and if you desaturate by 10%, it is **16.6035, 30.0956, 8.7058**.

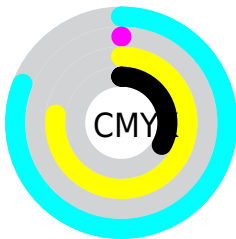
Distribution



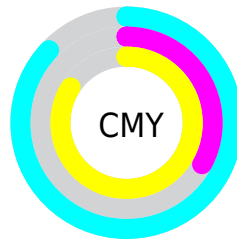
- Red (13%)
- Green (67%)
- Blue (16%)



- Red (13%)
- Yellow (64%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (77%)
- Black (33%)





- Cyan (87%)
- Magenta (33%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5731, 29.6024, 6.9005 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 15.5731, 29.6024, 6.9005 by changing the saturation by 10% instead.


 15.5731, 29.6024,
6.9005


 15.5731, 29.6024,
6.9005


220.1296,
300.0467, 176.4338


 9.3115, 19.5370,
3.3224


 35.4189, 59.0328,
20.2822


 5.0036, 12.0589,
1.2615


 49.7339, 79.1666,
30.9230


 2.2842, 6.7838,
0.0300


 67.4640, 103.4254,
44.7550

 0.7866, 3.3273,
0.0000

 88.9747, 132.1934,
62.1969

 0.0000, 1.3049,
0.0000

 114.6312,
165.8552, 83.6672

 0.0000, 0.1450,
0.0000

 144.7990,

 0.0000, 0.0000,

204.7951, 109.5844

0.0000

179.8433,
249.3975, 140.3671

■ 15.5731, 29.6024,
6.9005

■ 15.5731, 29.6024,
6.9005

■ 14.9380, 29.3014,
5.7202

■ 16.6035, 30.0956,
8.7058

■ 14.6111, 29.1461,
5.1050

■ 18.0771, 30.8015,
11.2040

■ 20.0373, 31.7420,
14.4564

■ 22.5217, 32.9355,
18.5170

■ 25.5643, 34.3983,
23.4348

■ 29.1962, 36.1456,
29.2550

■ 33.4461, 38.1912,
36.0196

■ 38.3410, 40.5481,
43.7680

■ 43.9062, 43.2288,
52.5373

Harmonies

Analogous

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



22.2960, 29.6024, 2.5336



15.5731, 29.6024, 6.9005



12.5802, 29.6024, 21.6477

Triad

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



15.5731, 29.6024, 6.9005



24.1458, 29.6024, 129.1530



52.1860, 29.6024, 17.3492

Complementary

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



15.5731, 29.6024, 6.9005



24.0398, 12.4262, 36.2523

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.



53.0413, 29.6024, 45.8024



15.5731, 29.6024, 6.9005



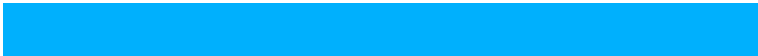
34.9164, 29.6024, 125.1242

Square

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



15.5731, 29.6024, 6.9005



16.6342, 29.6024, 97.7302



46.1053, 29.6024, 88.7814



43.9984, 29.6024, 5.4398

Rectangle

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



15.5731, 29.6024, 6.9005



12.4421, 29.6024, 41.1072



46.1053, 29.6024, 88.7814



53.4038, 29.6024, 24.7361

Sweetspot

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



15.5738, 29.6036, 6.9012



49.7394, 63.5065, 48.3191



30.1692, 37.1404, 7.0175



10.5931, 13.9221, 9.9753



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.



15.5738, 29.6036, 6.9012



26.2705, 52.2482, 9.2547



17.9457, 30.5524, 19.3916



7.9204, 8.9457, 8.6057



11.0201, 21.9733, 3.8798



0.3118, 0.6134, 0.1354

Inverse Universe

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



24.0398, 12.4262, 36.2523



41.8991, 20.3498, 63.2988



19.4093, 10.5740, 11.8686



8.3193, 8.1410, 9.9920



17.6044, 8.5043, 26.6258



0.4950, 0.2387, 0.7682

Previews

White Background



This preview shows how the XYZ color 15.5731, 29.6024, 6.9005 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 15.5731, 29.6024, 6.9005 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 15.5731, 29.6024, 6.9005

Background



This preview shows how black text looks on a background with the XYZ color 15.5731, 29.6024, 6.9005.



This preview shows how white text looks on a background with the XYZ color 15.5731, 29.6024,

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

15.5731, 29.6024, 6.9005

Protanopia

26.2395, 28.9823, 5.7245

Deuteranopia

29.5491, 29.0805, 7.4238



Tritanopia

22.8250, 29.3113, 43.4844

Trichromacy



Original Color

15.5731, 29.6024, 6.9005



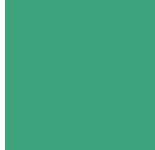
Protanomaly

19.5430, 27.6862, 5.9830



Deuteranomaly

20.5022, 26.9358, 6.9149



Tritanomaly

18.5988, 28.6103, 23.6109

Monochromacy



Original Color

15.5731, 29.6024, 6.9005



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.1717, 19.9638, 12.3390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5731, 29.6024, 6.9005 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(33, 171, 40)` looks like.

```
.text, #text, p{  
    color:rgb(33, 171, 40)  
}
```

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(33, 171, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 171, 40) }
```

Border

The CSS property to change the border of an element to XYZ 15.5731, 29.6024, 6.9005 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(33, 171, 40) }
```


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

```
.border{ border-color:rgb(33, 171, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 171, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 171, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 171, 40);  
box-shadow:4px 4px 4px 4px rgb(33, 171,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5731, 29.6024, 6.9005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 171, 40) }
```

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

```
.background{ background-color: rgb(33, 171,  
40) }
```

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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