

Converting Colors

XYZ(15.8587, 30.3461, 6.7793)

Have a look what the booklet for
XYZ(15.8587, 30.3461, 6.7793)
contains.

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Color

**XYZ(15.8426, 30.3120,
6.7661)**

Conversions

Conversions Part 1

Format	Color
Hex	1FAD25
RGB	31, 173, 37
RGB Percent	12%, 68%, 15%
CMY	0.8784, 0.3216, 0.8549
CMYK	0.82, 0.00, 0.79, 0.32
HSL	123°, 70%, 40%
HSV	123°, 82%, 68%
XYZ	15.8426, 30.3120, 6.7661
YIQ	115.0380, -40.9760, -72.4000

Conversions

Conversions Part 2

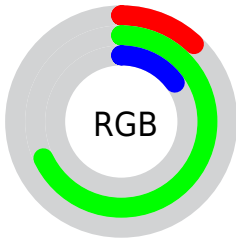
Format	Color
RYB	31, 167, 173
Decimal	2075941
CIELab	61.92, -60.70, 55.13
CIELCh	62, 82.003, 137.754
Yxy	30.3120, 0.2994, 0.5728
Android (android.graphics.Color)	4280266021 (0xFF1FAD25)
YUV	115.0380, -38.4727, -73.7013
Hunter-Lab	55.0563, -44.9848, 31.2530

Details

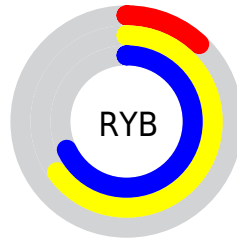
The XYZ color **15.8426, 30.3120, 6.7661** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.6992, 12.6546, 37.6994**, and the grayscale version is **16.4301, 17.2857, 18.8242**.

A 20% lighter version of the original color is **35.9815, 60.3270, 20.1038**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.2509, 30.0314, 5.6753**, and if you desaturate by 10%, it is **16.8333, 30.7864, 8.4931**.

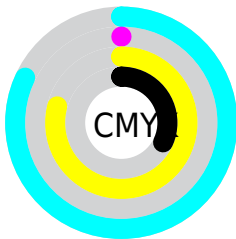
Distribution



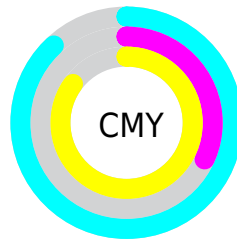
- Red (12%)
- Green (68%)
- Blue (15%)



- Red (12%)
- Yellow (65%)
- Blue (68%)



- Cyan (82%)
- Magenta (0%)
- Yellow (79%)
- Black (32%)





- Cyan (88%)
- Magenta (32%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8426, 30.3120, 6.7661 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 15.8426, 30.3120, 6.7661 by changing the saturation by 10% instead.


 15.8426, 30.3120,
6.7661


 15.8426, 30.3120,
6.7661


221.6998,
303.3561, 175.2623


 9.5030, 20.0755,
3.2400


 35.8844, 60.1552,
20.0059


 5.1304, 12.4500,
1.2185


 50.3173, 80.5308,
30.5567


 2.3595, 7.0509,
0.0000


 68.1786, 105.0548,
44.2862

 0.8249, 3.4940,
0.0000

 89.8338, 134.1117,
61.6128

 0.0000, 1.3947,
0.0000

 115.6482,
168.0859, 82.9552

 0.0000, 0.2128,
0.0000

 145.9870,

 0.0000, 0.0000,

207.3618, 108.7319

0.0000

181.2158,
252.3237, 139.3614

■ 15.8426, 30.3120,
6.7661

■ 15.8426, 30.3120,
6.7661

■ 15.2509, 30.0314,
5.6753

■ 16.8333, 30.7864,
8.4931

■ 14.9842, 29.9043,
5.1924

■ 18.2743, 31.4768,
10.9306

■ 20.2114, 32.4063,
14.1452

■ 22.6845, 33.5942,
18.1948

■ 25.7292, 35.0576,
23.1324

■ 29.3780, 36.8125,
29.0061

■ 33.6613, 38.8733,
35.8608

■ 38.6070, 41.2536,
43.7386

■ 44.2417, 43.9664,
52.6788

Harmonies

Analogous

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



22.8430, 30.3120, 2.4226



15.8426, 30.3120, 6.7661



12.7176, 30.3120, 21.7739

Triad

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



15.8426, 30.3120, 6.7661



24.5626, 30.3120, 134.2971



53.9430, 30.3120, 17.7931

Complementary

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



15.8426, 30.3120, 6.7661



24.6992, 12.6546, 37.6994

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.



54.7443, 30.3120, 47.5543



15.8426, 30.3120, 6.7661



35.7364, 30.3120, 130.5020

Square

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



15.8426, 30.3120, 6.7661



16.8247, 30.3120, 101.0016



47.4253, 30.3120, 92.5899



45.4540, 30.3120, 5.4363

Rectangle

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



15.8426, 30.3120, 6.7661



12.5518, 30.3120, 41.8487



47.4253, 30.3120, 92.5899



55.1860, 30.3120, 25.5035

Sweetspot

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



15.8433, 30.3133, 6.7668



50.2951, 64.8122, 48.2236



31.3974, 38.3417, 7.0423



10.4492, 13.8538, 9.7056



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.



15.8433, 30.3133, 6.7668



26.8973, 53.5867, 9.3335



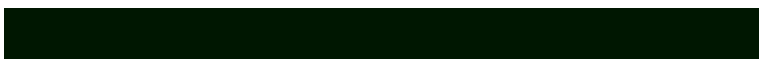
18.1492, 31.2356, 18.9097



7.9177, 8.9446, 8.5917



11.0131, 21.9705, 3.8430



0.3107, 0.6129, 0.1298

Inverse Universe

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



24.6992, 12.6546, 37.6994



43.1921, 20.9202, 66.1199



19.8945, 10.7328, 12.3982



8.3222, 8.1421, 10.0077



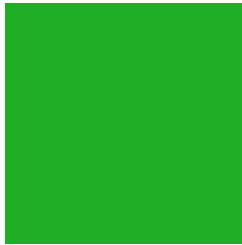
17.7015, 8.5431, 27.1371



0.4968, 0.2394, 0.7781

Previews

White Background



This preview shows how the XYZ color 15.8426, 30.3120, 6.7661 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 15.8426, 30.3120, 6.7661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

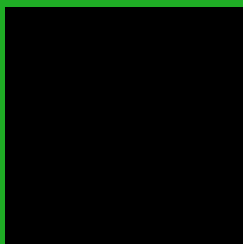
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 15.8426, 30.3120, 6.7661

Background



This preview shows how black text looks on a background with the XYZ color 15.8426, 30.3120, 6.7661.



This preview shows how white text looks on a background with the XYZ color 15.8426, 30.3120,

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

15.8426, 30.3120, 6.7661

Protanopia

26.9311, 29.8093, 5.6307

Deuteranopia

30.1300, 29.6031, 7.2579



Tritanopia

23.4454, 30.1235, 44.6231

Trichromacy



Original Color

15.8426, 30.3120, 6.7661



Protanomaly

19.9726, 28.4151, 5.8708



Deuteranomaly

20.9376, 27.6468, 6.8176



Tritanomaly

18.9567, 29.3262, 23.7302

Monochromacy



Original Color

15.8426, 30.3120, 6.7661



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.1806, 20.1813, 12.1648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8426, 30.3120, 6.7661 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(31, 173, 37)` looks like.

```
.text, #text, p{  
    color:rgb(31, 173, 37)  
}
```

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(31, 173, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 173, 37) }
```

Border

The CSS property to change the border of an element to XYZ 15.8426, 30.3120, 6.7661 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(31, 173, 37) }
```


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

```
.border{ border-color:rgb(31, 173, 37) }
```

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

Here you see how a box with a 4 pixel rgb(31, 173, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 173, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 173, 37);  
box-shadow:4px 4px 4px 4px rgb(31, 173,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8426, 30.3120, 6.7661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 173, 37) }
```

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

```
.background{ background-color: rgb(31, 173,  
37) }
```

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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