

Converting Colors

XYZ(18.1930, 31.4537, 15.2151)

Have a look what the booklet for
XYZ(18.1930, 31.4537, 15.2151)
contains.

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Color

**XYZ(18.1420, 31.3128,
15.2130)**

Conversions

Conversions Part 1

Format	Color
Hex	31AD5C
RGB	49, 173, 92
RGB Percent	19%, 68%, 36%
CMY	0.8078, 0.3216, 0.6392
CMYK	0.72, 0.00, 0.47, 0.32
HSL	141°, 56%, 44%
HSV	141°, 72%, 68%
XYZ	18.1420, 31.3128, 15.2130
YIQ	126.6900, -47.9030, -51.4790

Conversions

Conversions Part 2

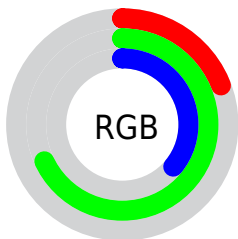
Format	Color
RYB	49, 141, 173
Decimal	3255644
CIELab	62.77, -51.64, 32.03
CIElCh	63, 60.771, 148.192
Yxy	31.3128, 0.2805, 0.4842
Android (android.graphics.Color)	4281445724 (0xFF31AD5C)
YUV	126.6900, -17.1022, -68.1341
Hunter-Lab	55.9578, -40.0550, 23.0516

Details

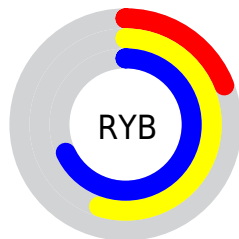
The XYZ color **18.1420, 31.3128, 15.2130** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.3622, 12.6933, 22.3920**, and the grayscale version is **20.1358, 21.1844, 23.0699**.

A 20% lighter version of the original color is **39.6593, 61.4665, 35.7606**, and **7.0514, 13.3755, 4.5930** is the 20% darker color. If you saturate the color by 10%, you get **17.0046, 30.7802, 12.7709**, and if you desaturate by 10%, it is **19.6749, 32.0425, 18.0598**.

Distribution



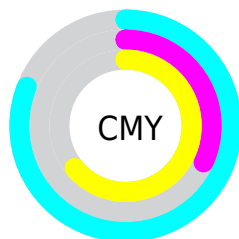
- Red (19%)
- Green (68%)
- Blue (36%)



- Red (19%)
- Yellow (55%)
- Blue (68%)



- Cyan (72%)
- Magenta (0%)
- Yellow (47%)
- Black (32%)



- Cyan (81%)
- Magenta (32%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1420, 31.3128, 15.2130 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 18.1420, 31.3128, 15.2130 by changing the saturation by 10% instead.

■ 18.1420, 31.3128,
15.2130

■ 18.1420, 31.3128,
15.2130

234.7003,
307.9768, 236.3369

■ 11.1523, 20.8372,
8.8207

■ 39.8073, 61.7322,
35.9740

■ 6.2374, 13.0050,
4.5292

■ 55.2137, 82.4448,
51.1798

■ 3.0320, 7.4320,
1.9199

■ 74.1562, 107.3384,
70.1605

■ 1.1707, 3.7337,
0.5054

■ 97.0004, 136.7975,
93.3347

■ 0.0831, 1.5257,
0.0000

■ 124.1116,
171.2065, 121.1209

■ 0.0000, 0.3067,
0.0000

155.8550,

■ 0.0000, 0.0000,

210.9498, 153.9376

0.0000

192.5962,
256.4118, 192.2034

■ 18.1420, 31.3128,
15.2130

■ 18.1420, 31.3128,
15.2130

■ 17.0046, 30.7802,
12.7709

■ 19.6749, 32.0425,
18.0598

■ 16.2182, 30.4196,
10.7123

■ 21.6367, 32.9836,
21.3267

■ 15.7595, 30.2144,
9.2752

■ 24.0601, 34.1534,
25.0309

■ 26.9734, 35.5662,
29.1881

■ 30.4028, 37.2354,
33.8130

■ 34.3727, 39.1730,
38.9197

■ 38.9057, 41.3906,
44.5218

■ 44.0231, 43.8987,
50.6322

■ 49.7453, 46.7078,
57.2634

Harmonies

Analogous

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



22.8325, 31.3128, 7.5730



18.1420, 31.3128, 15.2130



16.4760, 31.3128, 32.6703

Triad

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



18.1420, 31.3128, 15.2130



29.2604, 31.3128, 103.3494



46.1859, 31.3128, 16.7211

Complementary

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



18.1420, 31.3128, 15.2130



22.3622, 12.6933, 22.3920

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.



48.7628, 31.3128, 35.5592



18.1420, 31.3128, 15.2130



37.9680, 31.3128, 92.4338

Square

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



18.1420, 31.3128, 15.2130



22.1083, 31.3128, 89.6539



45.5132, 31.3128, 64.3548



39.0048, 31.3128, 8.1152

Rectangle

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



18.1420, 31.3128, 15.2130



17.0149, 31.3128, 50.4720



45.5132, 31.3128, 64.3548



47.6720, 31.3128, 21.7088

Sweetspot

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



18.1428, 31.3141, 15.2137



53.9809, 66.4567, 59.9394



24.9627, 34.9890, 8.3440



11.3682, 14.2657, 12.5437



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.



18.1428, 31.3141, 15.2137



29.5615, 54.7126, 20.6412



21.9060, 32.8194, 35.0306



8.0149, 8.9835, 9.1033



11.6020, 22.2061, 6.9438



0.3490, 0.6282, 0.3314

Inverse Universe

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



22.3622, 12.6933, 22.3920



37.4924, 19.3639, 33.8750



19.4278, 11.5195, 6.9394



8.2173, 8.1002, 9.4551



14.8785, 7.4139, 12.2713



0.4384, 0.2160, 0.4702

Previews

White Background



This preview shows how the XYZ color 18.1420, 31.3128, 15.2130 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 18.1420, 31.3128, 15.2130 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 18.1420, 31.3128, 15.2130

Background



This preview shows how black text looks on a background with the XYZ color 18.1420, 31.3128, 15.2130.



This preview shows how white text looks on a background with the XYZ color 18.1420, 31.3128,

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

18.1420, 31.3128, 15.2130

Protanopia

28.3927, 30.8803, 12.8515

Deuteranopia

31.2814, 30.6711, 16.0758



Tritanopia

24.2575, 31.0310, 46.3060

Trichromacy



Original Color

18.1420, 31.3128, 15.2130



Protanomaly

22.2868, 29.6953, 13.5740



Deuteranomaly

23.5055, 29.2738, 15.4779



Tritanomaly

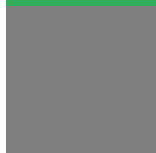
21.3909, 30.9417, 32.0391

Monochromacy



Original Color

18.1420, 31.3128, 15.2130



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.1561, 23.8141, 19.5592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1420, 31.3128, 15.2130 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(49, 173, 92)` looks like.

```
.text, #text, p{  
    color:rgb(49, 173, 92)  
}
```

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(49, 173, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 173, 92) }
```

Border

The CSS property to change the border of an element to XYZ 18.1420, 31.3128, 15.2130 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(49, 173, 92) }
```


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

```
.border{ border-color:rgb(49, 173, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 173, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 173, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 173, 92);  
box-shadow:4px 4px 4px 4px rgb(49, 173,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1420, 31.3128, 15.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 173, 92) }
```

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

```
.background{ background-color: rgb(49, 173,  
92) }
```

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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