

Converting Colors

XYZ(18.1698, 31.9302, 4.7297)

Have a look what the booklet for
XYZ(18.1698, 31.9302, 4.7297)
contains.

XYZ(18.1966, 31.8499, 5.1886)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.1966, 31.8499,
5.1886)**

Conversions

Conversions Part 1

Format	Color
Hex	4DAE00
RGB	77, 174, 0
RGB Percent	30%, 68%, 0%
CMY	0.6980, 0.3176, 0.9999
CMYK	0.56, 0.00, 1.00, 0.32
HSL	93°, 100%, 34%
HSV	93°, 100%, 68%
XYZ	18.1966, 31.8499, 5.1886
YIQ	125.1610, -1.9580, -74.6780

Conversions

Conversions Part 2

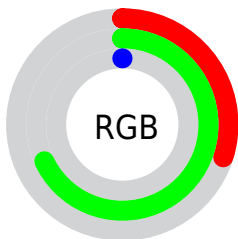
Format	Color
RYB	0, 174, 97
Decimal	5090816
CIELab	63.22, -53.29, 64.07
CIELCh	63, 83.337, 129.748
Yxy	31.8499, 0.3294, 0.5766
Android (android.graphics.Color)	4283280896 (0xFF4DAE00)
YUV	125.1610, -61.7044, -42.2372
Hunter-Lab	56.4357, -41.2086, 34.0540

Details

The XYZ color **18.1966, 31.8499, 5.1886** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.5726, 5.5991, 40.4643**, and the grayscale version is **19.7507, 20.7793, 22.6287**.

A 20% lighter version of the original color is **39.7202, 62.3359, 16.5952**, and **6.7165, 13.4329, 2.2388** is the 20% darker color. If you saturate the color by 10%, you get **18.1965, 31.8508, 5.1888**, and if you desaturate by 10%, it is **19.1438, 32.3271, 5.7784**.

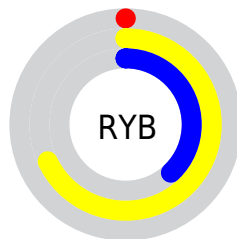
Distribution



Red (30%)

Green (68%)

Blue (0%)



Red (0%)

Yellow (68%)

Blue (38%)

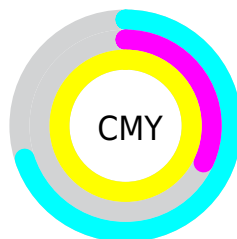


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (70%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1966, 31.8499, 5.1886 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 18.1966, 31.8499, 5.1886 by changing the saturation by 10% instead.


 18.1966, 31.8499,
5.1886


 18.1966, 31.8499,
5.1886


235.0011,
310.4349, 160.6402


 11.1918, 21.2469,
2.2977


 39.8995, 62.5757,
16.6696


 6.2642, 13.3046,
0.7299


 55.3283, 83.4673,
26.0967

 3.0486, 7.6386,
0.0000


 74.2958, 108.5572,
38.5396

 1.1795, 3.8646,
0.0000

 97.1673, 138.2297,
54.4168

 0.0901, 1.5981,
0.0000

 124.3082,
172.8694, 74.1470


 0.0000, 0.3563,
0.0000


 156.0839,


 0.0000, 0.0000,


212.8606, 98.1486


0.0000


 192.8598,
258.5876, 126.8401


 18.1966, 31.8499,
5.1886


 18.1966, 31.8499,
5.1886


 18.1965, 31.8508,
5.1888

 19.1438, 32.3271,
5.7784

 20.3037, 32.9024,
6.8567

 21.7177, 33.5939,
8.6143

 23.4068, 34.4105,
11.1397

 25.3893, 35.3601,
14.5079

■ 27.6819, 36.4496,
18.7851

■ 30.2994, 37.6856,
24.0309

■ 33.2559, 39.0741,
30.2997

■ 36.5644, 40.6206,
37.6420

Harmonies

Analogous

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



26.6725, 31.8499, 2.1972



18.1966, 31.8499, 5.1886



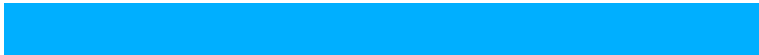
13.8758, 31.8499, 17.0201

Triad

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



18.1966, 31.8499, 5.1886



23.2299, 31.8499, 134.8283



57.7929, 31.8499, 25.0035

Complementary

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



18.1966, 31.8499, 5.1886



12.5726, 5.5991, 40.4643

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.



56.1917, 31.8499, 61.6199



18.1966, 31.8499, 5.1886



34.1824, 31.8499, 142.4029

Square

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



18.1966, 31.8499, 5.1886



16.2285, 31.8499, 93.1621



46.7715, 31.8499, 109.9620



50.7120, 31.8499, 7.8663

Rectangle

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



18.1966, 31.8499, 5.1886



13.0772, 31.8499, 34.4005



46.7715, 31.8499, 109.9620



58.2864, 31.8499, 34.9593

Sweetspot

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



18.1973, 31.8513, 5.1893



54.6855, 68.2269, 43.0264



21.6129, 17.3120, 2.2029



11.7050, 14.9522, 8.6492



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.1973, 31.8513, 5.1893



32.7571, 57.6439, 9.3999



15.1847, 30.2927, 5.2971



8.2282, 9.1062, 8.5374



13.2635, 23.1347, 3.7664



0.4325, 0.6763, 0.1077

Inverse Universe

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



12.5726, 5.5991, 40.4643



22.5413, 10.0196, 73.3828



24.2758, 11.7272, 36.7268



7.9899, 7.9691, 10.0698



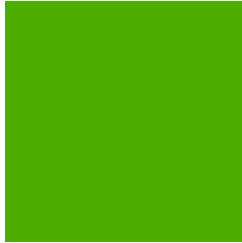
9.1869, 4.0959, 29.3509



0.3171, 0.1457, 0.8194

Previews

White Background



This preview shows how the XYZ color 18.1966, 31.8499, 5.1886 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 18.1966, 31.8499, 5.1886 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 18.1966, 31.8499, 5.1886

Background



This preview shows how black text looks on a background with the XYZ color 18.1966, 31.8499, 5.1886.



This preview shows how white text looks on a background with the XYZ color 18.1966, 31.8499,

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

18.1966, 31.8499, 5.1886

Protanopia

28.2415, 31.2271, 4.5390

Deuteranopia

31.7776, 31.1503, 6.0068



Tritanopia

26.2517, 31.8194, 45.3156

Trichromacy



Original Color

18.1966, 31.8499, 5.1886

Protanomaly

22.8873, 30.4600, 4.6731

Deuteranomaly

24.4537, 29.9886, 5.3101

Tritanomaly

21.1216, 30.7998, 19.8707

Monochromacy



Original Color

18.1966, 31.8499, 5.1886

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.4548, 23.4123, 11.1885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1966, 31.8499, 5.1886 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(77, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 174, 0)  
}
```

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(77, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.1966, 31.8499, 5.1886 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(77, 174, 0) }
```


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

```
.border{ border-color:rgb(77, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 174, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1966, 31.8499, 5.1886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 174, 0) }
```

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

```
.background{ background-color: rgb(77, 174,  
0) }
```

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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