

Converting Colors

XYZ(18.9222, 36.6730, 6.0813)

Have a look what the booklet for
XYZ(18.9222, 36.6730, 6.0813)
contains.

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Color

**XYZ(18.9969, 36.8073,
6.1033)**

Conversions

Conversions Part 1

Format	Color
Hex	26BD00
RGB	38, 189, 0
RGB Percent	15%, 74%, 0%
CMY	0.8510, 0.2588, 0.9999
CMYK	0.80, 0.00, 1.00, 0.26
HSL	108°, 100%, 37%
HSV	108°, 100%, 74%
XYZ	18.9969, 36.8073, 6.1033
YIQ	122.3050, -29.3270, -90.7910

Conversions

Conversions Part 2

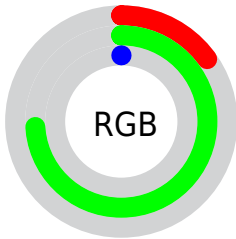
Format	Color
RYB	0, 189, 151
Decimal	2538752
CIELab	67.13, -65.99, 66.79
CIELCh	67, 93.892, 134.655
Yxy	36.8073, 0.3069, 0.5946
Android (android.graphics.Color)	4280728832 (0xFF26BD00)
YUV	122.3050, -60.2964, -73.9355
Hunter-Lab	60.6690, -50.2782, 36.5037

Details

The XYZ color **18.9969, 36.8073, 6.1033** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **21.9533, 10.2565, 48.9688**, and the grayscale version is **18.7981, 19.7771, 21.5372**.

A 20% lighter version of the original color is **41.3180, 70.5163, 18.6411**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.9970, 36.8085, 6.1035**, and if you desaturate by 10%, it is **19.7887, 37.2031, 6.7505**.

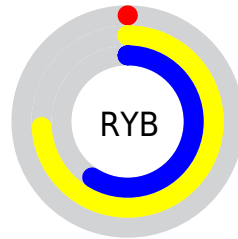
Distribution



Red (15%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (59%)

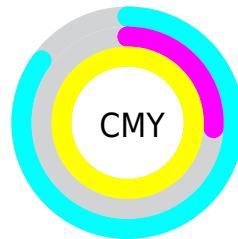


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (85%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9969, 36.8073, 6.1033 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 18.9969, 36.8073, 6.1033 by changing the saturation by 10% instead.


 18.9969, 36.8073,
6.1033


 18.9969, 36.8073,
6.1033


239.3701,
332.4755, 169.3276


 11.7720, 25.0583,
2.8382


 41.2458, 70.2763,
18.6263


 6.6597, 16.1205,
1.0126


 57.0005, 92.7651,
28.7212


 3.2947, 9.6095,
0.0000


 76.3292, 119.6027,
41.9299

 1.3114, 5.1408,
0.0000

 99.5973, 151.1734,
58.6708

 0.1918, 2.3301,
0.0000

 127.1700,
187.8617, 79.3625

 0.0000, 0.7896,
0.0000

 159.4128,

 0.0000, 0.0000,

230.0518, 104.4235

0.0000

196.6911,
278.1283, 134.2723

■ 18.9969, 36.8073,
6.1033

■ 18.9969, 36.8073,
6.1033

■ 18.9970, 36.8085,
6.1035

■ 19.7887, 37.2031,
6.7505

■ 20.9434, 37.7718,
8.0055

■ 22.5242, 38.5423,
10.0869

■ 24.5708, 39.5327,
13.1043

■ 27.1180, 40.7589,
17.1510

■ 30.1972, 42.2353,
22.3086

■ 33.8370, 43.9751,
28.6506

■ 38.0640, 45.9905,
36.2443

■ 42.9031, 48.2930,
45.1519

Harmonies

Analogous

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



28.4776, 36.8073, 1.9688



18.9969, 36.8073, 6.1033



14.6010, 36.8073, 22.6393

Triad

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



18.9969, 36.8073, 6.1033



28.1999, 36.8073, 174.1112



68.9045, 36.8073, 23.2706

Complementary

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



18.9969, 36.8073, 6.1033



21.9533, 10.2565, 48.9688

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.



68.7700, 36.8073, 64.7402



18.9969, 36.8073, 6.1033



42.4134, 36.8073, 174.7651

Square

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



18.9969, 36.8073, 6.1033



18.8416, 36.8073, 124.8291



58.0907, 36.8073, 126.2638



58.4194, 36.8073, 6.2964

Rectangle

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



18.9969, 36.8073, 6.1033



14.1097, 36.8073, 46.8149



58.0907, 36.8073, 126.2638



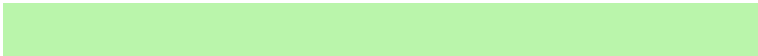
70.1755, 36.8073, 34.0186

Sweetspot

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



18.9978, 36.8088, 6.1041



60.2554, 78.5918, 50.7022



31.5862, 32.0171, 4.5157



12.3443, 16.6078, 9.8261



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.9978, 36.8088, 6.1041



33.8679, 65.8417, 10.9237



18.8543, 36.6592, 9.5190



9.5831, 10.7395, 10.1445



12.8325, 24.7913, 4.1089



0.5566, 0.9989, 0.1635

Inverse Universe

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



21.9533, 10.2565, 48.9688



39.1134, 18.2633, 87.6899



25.3929, 12.5819, 24.1815



9.7371, 9.5968, 12.0114



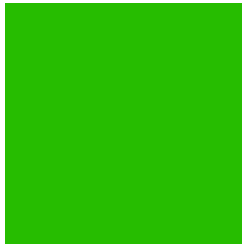
14.8329, 6.9327, 32.9493



0.6296, 0.2966, 1.2929

Previews

White Background



This preview shows how the XYZ color 18.9969, 36.8073, 6.1033 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 18.9969, 36.8073, 6.1033 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 18.9969, 36.8073, 6.1033

Background



This preview shows how black text looks on a background with the XYZ color 18.9969, 36.8073, 6.1033.



This preview shows how white text looks on a background with the XYZ color 18.9969, 36.8073,

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

18.9969, 36.8073, 6.1033

Protanopia

32.4488, 35.9079, 5.2207

Deuteranopia

36.8577, 36.1087, 7.1249



Tritanopia

28.6573, 36.7468, 54.2976

Trichromacy



Original Color

18.9969, 36.8073, 6.1033



Protanomaly

23.9584, 34.2509, 5.3483



Deuteranomaly

25.5068, 33.6413, 6.1264



Tritanomaly

22.4293, 35.6934, 23.7965

Monochromacy



Original Color

18.9969, 36.8073, 6.1033



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

15.9684, 23.3320, 10.8696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9969, 36.8073, 6.1033 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(38, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(38, 189, 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(38, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.9969, 36.8073, 6.1033 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(38, 189, 0) }
```


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

```
.border{ border-color:rgb(38, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(38, 189, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9969, 36.8073, 6.1033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 189, 0) }
```

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

```
.background{ background-color: rgb(38, 189,  
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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