

Converting Colors

XYZ(19.2093, 37.5803, 8.9872)

Have a look what the booklet for
XYZ(19.2093, 37.5803, 8.9872)
contains.

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Color

**XYZ(19.1643, 37.4750,
9.0196)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF30
RGB	0, 191, 48
RGB Percent	0%, 75%, 19%
CMY	1.0000, 0.2510, 0.8117
CMYK	1.00, 0.00, 0.75, 0.25
HSL	135°, 100%, 37%
HSV	135°, 100%, 75%
XYZ	19.1643, 37.4750, 9.0196
YIQ	117.5890, -67.9330, -84.9650

Conversions

Conversions Part 2

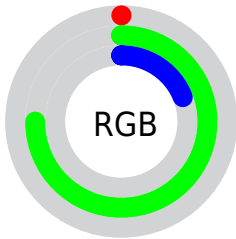
Format	Color
RYB	0, 153, 191
Decimal	48944
CIELab	67.63, -67.29, 57.01
CIELCh	68, 88.191, 139.728
Yxy	37.4750, 0.2919, 0.5708
Android (android.graphics.Color)	4278239024 (0xFF00BF30)
YUV	117.5890, -34.3074, -103.1256
Hunter-Lab	61.2168, -51.2489, 34.1161

Details

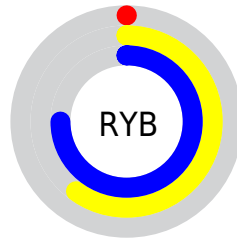
The XYZ color **19.1643, 37.4750, 9.0196** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.4448, 13.0601, 27.1141**, and the grayscale version is **17.2113, 18.1077, 19.7193**.

A 20% lighter version of the original color is **41.5794, 71.4400, 24.4298**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.1651, 37.4765, 9.0202**, and if you desaturate by 10%, it is **19.7800, 37.7537, 10.8461**.

Distribution



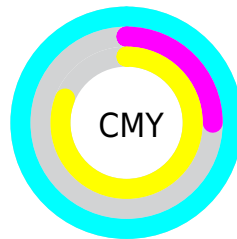
- Red (0%)
- Green (75%)
- Blue (19%)



- Red (0%)
- Yellow (60%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1643, 37.4750, 9.0196 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 19.1643, 37.4750, 9.0196 by changing the saturation by 10% instead.


 19.1643, 37.4750,
9.0196


 19.1643, 37.4750,
9.0196


240.2750,
335.3625, 193.7475


 11.8938, 25.5755,
4.6570


 41.5263, 71.3027,
24.5127


 6.7431, 16.5063,
1.9923


 57.3484, 93.9997,
36.4802


 3.3468, 9.8831,
0.5505


 76.7518, 121.0647,
51.8198

 1.3397, 5.3215,
0.0000

 100.1018,
152.8820, 70.9500

 0.2127, 2.4371,
0.0000

 127.7638,
189.8360, 94.2893

 0.0000, 0.8449,
0.0000

 160.1031,

 0.0000, 0.0000,

232.3112, 122.2563

0.0000

197.4850,
280.6919, 155.2695

■ 19.1643, 37.4750,
9.0196

■ 19.1643, 37.4750,
9.0196

■ 19.1651, 37.4765,
9.0202

■ 19.7800, 37.7537,
10.8461

■ 20.7641, 38.2093,
13.2291

■ 22.2205, 38.8956,
16.2126

■ 24.2046, 39.8403,
19.8342

■ 26.7637, 41.0672,
24.1285

■ 29.9394, 42.5970,
29.1272

■ 33.7698, 44.4487,
34.8603

■ 38.2894, 46.6396,
41.3560

■ 43.5306, 49.1857,
48.6407

Harmonies

Analogous

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



27.5031, 37.4750, 3.1164



19.1643, 37.4750, 9.0196



15.5910, 37.4750, 28.8561

Triad

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



19.1643, 37.4750, 9.0196



31.1575, 37.4750, 167.7027



66.3286, 37.4750, 20.3900

Complementary

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



19.1643, 37.4750, 9.0196



26.4448, 13.0601, 27.1141

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.



68.0312, 37.4750, 55.6640



19.1643, 37.4750, 9.0196



45.1921, 37.4750, 159.6394

Square

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



19.1643, 37.4750, 9.0196



21.2516, 37.4750, 128.7319



59.5198, 37.4750, 110.8569



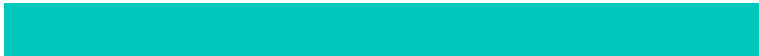
55.3310, 37.4750, 6.1905

Rectangle

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



19.1643, 37.4750, 9.0196



15.5662, 37.4750, 54.8069



59.5198, 37.4750, 110.8569



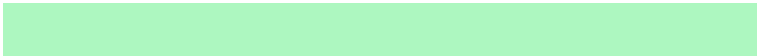
68.0976, 37.4750, 29.4156

Sweetspot

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



19.1652, 37.4765, 9.0204



60.1252, 79.4332, 61.9129



30.0032, 43.1254, 6.7428



12.5330, 17.1187, 12.6030



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.1652, 37.4765, 9.0204



34.2419, 67.0854, 15.7251



23.6087, 39.2540, 32.4198



9.5045, 10.6879, 10.6403



12.6224, 24.6392, 6.0744



0.5217, 0.9761, 0.3817

Inverse Universe

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



26.4448, 13.0601, 27.1141



47.2579, 23.3485, 48.0179



22.0152, 11.2882, 3.7882



9.8247, 9.6542, 11.4660



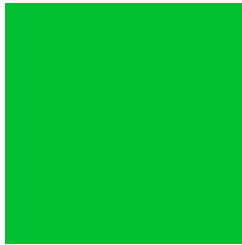
17.4121, 8.5960, 17.9954



0.7069, 0.3466, 0.8355

Previews

White Background



This preview shows how the XYZ color 19.1643, 37.4750, 9.0196 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 19.1643, 37.4750, 9.0196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

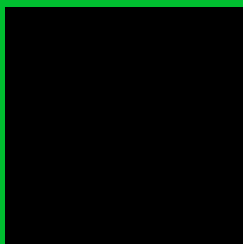
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.1643, 37.4750, 9.0196

Background



This preview shows how black text looks on a background with the XYZ color 19.1643, 37.4750, 9.0196.



This preview shows how white text looks on a background with the XYZ color 19.1643, 37.4750,

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

19.1643, 37.4750, 9.0196

Protanopia

33.4429, 36.9014, 7.4579

Deuteranopia

37.4927, 36.6279, 9.6512



Tritanopia

28.7705, 37.3533, 56.1456

Trichromacy



Original Color

19.1643, 37.4750, 9.0196



Protanomaly

22.9268, 34.2359, 7.7827



Deuteranomaly

23.9471, 33.0465, 8.9874



Tritanomaly

22.9825, 36.4385, 30.6330

Monochromacy



Original Color

19.1643, 37.4750, 9.0196



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.0028, 22.5370, 13.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1643, 37.4750, 9.0196 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(0, 191, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 48)  
}
```

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(0, 191, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 48) }
```

Border

The CSS property to change the border of an element to XYZ 19.1643, 37.4750, 9.0196 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(0, 191, 48) }
```


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

```
.border{ border-color:rgb(0, 191, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.1643, 37.4750, 9.0196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 48) }
```

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

```
.background{ background-color: rgb(0, 191,  
48) }
```

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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