

Converting Colors

XYZ(18.9954, 37.0269, 6.7605)

Have a look what the booklet for
XYZ(18.9954, 37.0269, 6.7605)
contains.

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Color

**XYZ(19.0664, 37.1499,
6.7819)**

Conversions

Conversions Part 1

Format	Color
Hex	1EBE13
RGB	30, 190, 19
RGB Percent	12%, 75%, 7%
CMY	0.8824, 0.2549, 0.9254
CMYK	0.84, 0.00, 0.90, 0.25
HSL	116°, 82%, 41%
HSV	116°, 90%, 75%
XYZ	19.0664, 37.1499, 6.7819
YIQ	122.6660, -40.4690, -87.1010

Conversions

Conversions Part 2

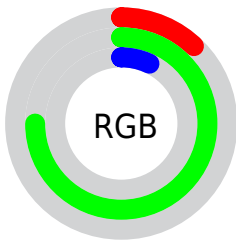
Format	Color
RYB	19, 190, 179
Decimal	2014739
CIELab	67.39, -66.74, 64.50
CIELCh	67, 92.813, 135.981
Yxy	37.1499, 0.3026, 0.5897
Android (android.graphics.Color)	4280204819 (0xFF1EBE13)
YUV	122.6660, -51.1073, -81.2681
Hunter-Lab	60.9507, -50.8260, 36.0684

Details

The XYZ color **19.0664, 37.1499, 6.7819** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.1223, 13.7699, 49.8928**, and the grayscale version is **18.8904, 19.8741, 21.6429**.

A 20% lighter version of the original color is **41.5138, 71.0419, 20.1188**, and **8.6640, 17.3279, 2.8880** is the 20% darker color. If you saturate the color by 10%, you get **18.5690, 36.9082, 6.1457**, and if you desaturate by 10%, it is **19.9728, 37.5914, 8.0382**.

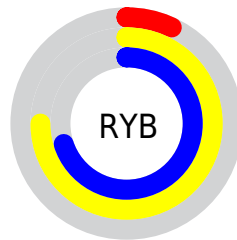
Distribution



Red (12%)

Green (75%)

Blue (7%)



Red (7%)

Yellow (75%)

Blue (70%)

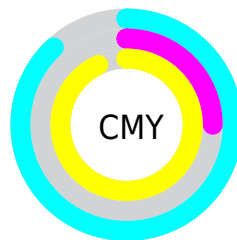


Cyan (84%)

Magenta (0%)

Yellow (90%)

Black (25%)



Cyan (88%)


Magenta (25%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0664, 37.1499, 6.7819 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 19.0664, 37.1499, 6.7819 by changing the saturation by 10% instead.


 19.0664, 37.1499,
6.7819


 19.0664, 37.1499,
6.7819


239.7462,
333.9590, 175.4006


 11.8226, 25.3236,
3.2497


 41.3623, 70.8033,
20.0384


 6.6943, 16.3183,
1.2235

 57.1450, 93.3991,
30.5999


 3.3163, 9.7497,
0.0000


 76.5048, 120.3536,
44.3414

 1.3231, 5.2333,
0.0000

 99.8069, 152.0510,
61.6817

 0.2004, 2.3848,
0.0000

 127.4167,
188.8759, 83.0392

 0.0000, 0.8180,
0.0000

 159.6997,

 0.0000, 0.0000,

231.2126, 108.8325

0.0000

197.0210,
279.4455, 139.4801

■ 19.0664, 37.1499,
6.7819

■ 19.0664, 37.1499,
6.7819

■ 18.5690, 36.9082,
6.1457

■ 19.9728, 37.5914,
8.0382

■ 18.5687, 36.9080,
6.1453

■ 21.3702, 38.2669,
10.1328

■ 23.3165, 39.2048,
13.1787

■ 25.8605, 40.4284,
17.2707

■ 29.0461, 41.9584,
22.4922

■ 32.9127, 43.8134,
28.9184

■ 37.4967, 46.0109,
36.6176

■ 42.8318, 48.5668,
45.6534

■ 48.9497, 51.4961,
56.0850

Harmonies

Analogous

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



28.3017, 37.1499, 2.2091



19.0664, 37.1499, 6.7819



14.8649, 37.1499, 24.2864

Triad

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



19.0664, 37.1499, 6.7819



29.0897, 37.1499, 173.9943



68.6735, 37.1499, 22.4883

Complementary

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



19.0664, 37.1499, 6.7819



28.1223, 13.7699, 49.8928

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.



69.0519, 37.1499, 62.5484



19.0664, 37.1499, 6.7819



43.3888, 37.1499, 172.1641

Square

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



19.0664, 37.1499, 6.7819



19.5090, 37.1499, 126.9804



58.8582, 37.1499, 122.9562



57.9318, 37.1499, 6.2213

Rectangle

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



19.0664, 37.1499, 6.7819



14.4941, 37.1499, 49.1742



58.8582, 37.1499, 122.9562



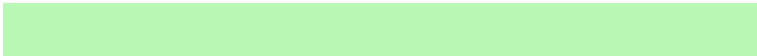
70.0983, 37.1499, 32.8238

Sweetspot

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



19.0673, 37.1514, 6.7827



61.6368, 80.3506, 55.7433



37.3946, 43.0764, 6.9604



12.9462, 17.3620, 11.2561



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.



19.0673, 37.1514, 6.7827



33.5797, 66.8450, 11.1325



20.6637, 37.7592, 16.5806



9.4640, 10.6781, 10.1389



12.3711, 24.5534, 4.0873



0.5042, 0.9719, 0.1610

Inverse Universe

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



28.1223, 13.7699, 49.8928



49.9458, 23.8023, 90.2410



24.6162, 12.6726, 17.6436



9.8678, 9.6642, 12.0175



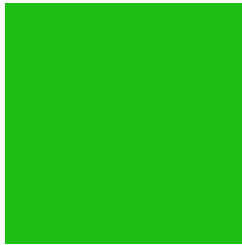
18.3825, 8.7626, 33.1154



0.7385, 0.3527, 1.2980

Previews

White Background



This preview shows how the XYZ color 19.0664, 37.1499, 6.7819 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 19.0664, 37.1499, 6.7819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

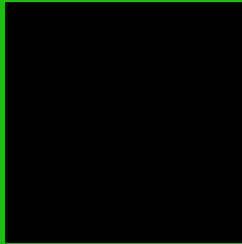
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.0664, 37.1499, 6.7819

Background



This preview shows how black text looks on a background with the XYZ color 19.0664, 37.1499, 6.7819.



This preview shows how white text looks on a background with the XYZ color 19.0664, 37.1499,

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

19.0664, 37.1499, 6.7819

Protanopia

32.8644, 36.3847, 5.2908

Deuteranopia

36.9121, 36.1304, 7.4113



Tritanopia

28.7823, 37.0907, 54.9324

Trichromacy



Original Color

19.0664, 37.1499, 6.7819



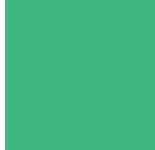
Protanomaly

23.8840, 34.4917, 5.5998



Deuteranomaly

25.1066, 33.4215, 6.7178



Tritanomaly

22.7386, 36.1044, 26.1925

Monochromacy



Original Color

19.0664, 37.1499, 6.7819



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.1932, 23.6472, 12.3052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0664, 37.1499, 6.7819 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(30, 190, 19)` looks like.

```
.text, #text, p{  
    color:rgb(30, 190, 19)  
}
```

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(30, 190, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 190, 19) }
```

Border

The CSS property to change the border of an element to XYZ 19.0664, 37.1499, 6.7819 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(30, 190, 19) }
```


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

```
.border{ border-color:rgb(30, 190, 19) }
```

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

Here you see how a box with a 4 pixel rgb(30, 190, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 190, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 190, 19);  
box-shadow:4px 4px 4px 4px rgb(30, 190,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0664, 37.1499, 6.7819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 190, 19) }
```

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

```
.background{ background-color: rgb(30, 190,  
19) }
```

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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