

Converting Colors

XYZ(18.9564, 37.2031, 7.6559)

Have a look what the booklet for
XYZ(18.9564, 37.2031, 7.6559)
contains.

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Color

**XYZ(18.8691, 37.0301,
7.5919)**

Conversions

Conversions Part 1

Format	Color
Hex	0EBE21
RGB	14, 190, 33
RGB Percent	5%, 75%, 13%
CMY	0.9451, 0.2549, 0.8706
CMYK	0.93, 0.00, 0.83, 0.25
HSL	126°, 86%, 40%
HSV	126°, 93%, 75%
XYZ	18.8691, 37.0301, 7.5919
YIQ	119.4780, -54.4990, -86.1390

Conversions

Conversions Part 2

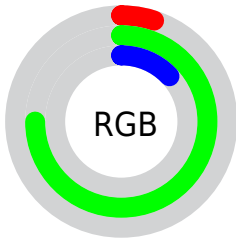
Format	Color
RYB	14, 173, 190
Decimal	966177
CIELab	67.30, -67.37, 61.30
CIELCh	67, 91.086, 137.700
Yxy	37.0301, 0.2972, 0.5832
Android (android.graphics.Color)	4279156257 (0xFF0EBE21)
YUV	119.4780, -42.6337, -92.5042
Hunter-Lab	60.8524, -51.1424, 35.1997

Details

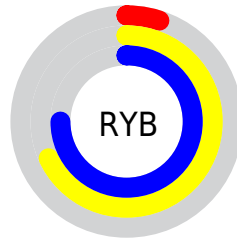
The XYZ color **18.8691, 37.0301, 7.5919** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.7435, 14.2019, 39.7528**, and the grayscale version is **17.8311, 18.7597, 20.4293**.

A 20% lighter version of the original color is **41.0927, 70.7911, 21.6235**, and **8.6640, 17.3279, 2.8880** is the 20% darker color. If you saturate the color by 10%, you get **18.5451, 36.8808, 6.8276**, and if you desaturate by 10%, it is **19.6163, 37.3817, 9.1942**.

Distribution



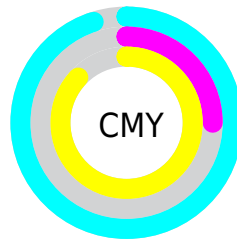
- Red (5%)
- Green (75%)
- Blue (13%)



- Red (5%)
- Yellow (68%)
- Blue (75%)



- Cyan (93%)
- Magenta (0%)
- Yellow (83%)
- Black (25%)





- Cyan (95%)
- Magenta (25%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8691, 37.0301, 7.5919 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 18.8691, 37.0301, 7.5919 by changing the saturation by 10% instead.


 18.8691, 37.0301,
7.5919


 18.8691, 37.0301,
7.5919


238.6772,
333.4408, 182.3085


 11.6792, 25.2308,
3.7509


 41.0314, 70.6191,
21.6872


 6.5963, 16.2491,
1.4897


 56.7344, 93.1775,
32.7787


 3.2550, 9.7006,
0.2103


 76.0059, 120.0912,
47.1241

 1.2900, 5.2009,
0.0000

 99.2112, 151.7444,
65.1419

 0.1757, 2.3656,
0.0000

 126.7156,
188.5216, 87.2507

 0.0000, 0.8081,
0.0000

 158.8845,

 0.0000, 0.0000,

230.8071, 113.8690

0.0000

196.0832,
278.9854, 145.4155

■ 18.8691, 37.0301,
7.5919

■ 18.8691, 37.0301,
7.5919

■ 18.5451, 36.8808,
6.8276

■ 19.6163, 37.3817,
9.1942

■ 20.8408, 37.9626,
11.5244

■ 22.6075, 38.8059,
14.6563

■ 24.9703, 39.9379,
18.6539

■ 27.9765, 41.3819,
23.5750

■ 31.6689, 43.1587,
29.4722

■ 36.0863, 45.2873,
36.3941

■ 41.2646, 47.7853,
44.3863

■ 47.2376, 50.6691,
53.4915

Harmonies

Analogous

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



27.6643, 37.0301, 2.5002



18.8691, 37.0301, 7.5919



14.9757, 37.0301, 26.0853

Triad

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



18.8691, 37.0301, 7.5919



29.7924, 37.0301, 171.3097



67.3781, 37.0301, 21.2046

Complementary

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



18.8691, 37.0301, 7.5919



28.7435, 14.2019, 39.7528

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.



68.3900, 37.0301, 58.9698



18.8691, 37.0301, 7.5919



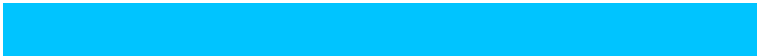
43.9839, 37.0301, 166.4500

Square

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



18.8691, 37.0301, 7.5919



20.0712, 37.0301, 127.8357



58.9575, 37.0301, 117.1218



56.4766, 37.0301, 6.0339

Rectangle

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



18.8691, 37.0301, 7.5919



14.7654, 37.0301, 51.4956



58.9575, 37.0301, 117.1218



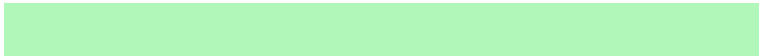
68.9731, 37.0301, 30.8901

Sweetspot

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



18.8700, 37.0316, 7.5927



60.5665, 79.7386, 58.4146



35.5954, 45.6765, 7.3559



12.5703, 17.1584, 11.6780



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.



18.8700, 37.0316, 7.5927



33.5624, 66.8136, 12.1469



21.9614, 38.2682, 23.8722



9.4495, 10.6659, 10.3508



12.3457, 24.5286, 4.6171



0.4977, 0.9665, 0.2552

Inverse Universe

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



28.7435, 14.2019, 39.7528



51.4843, 25.0391, 70.2738



23.0092, 11.9081, 9.5562



9.8844, 9.6780, 11.7801



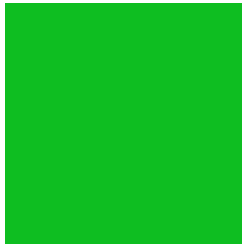
18.9299, 9.2031, 25.9884



0.7544, 0.3656, 1.0857

Previews

White Background



This preview shows how the XYZ color 18.8691, 37.0301, 7.5919 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 18.8691, 37.0301, 7.5919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

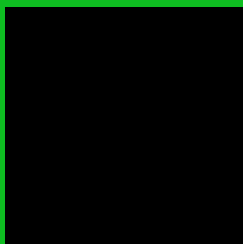
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.8691, 37.0301, 7.5919

Background



This preview shows how black text looks on a background with the XYZ color 18.8691, 37.0301, 7.5919.



This preview shows how white text looks on a background with the XYZ color 18.8691, 37.0301,

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

18.8691, 37.0301, 7.5919

Protanopia

32.8121, 36.3362, 6.2615

Deuteranopia

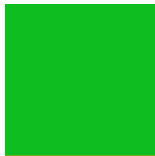
36.8040, 36.0556, 8.2685



Tritanopia

28.4344, 36.9113, 54.9162

Trichromacy



Original Color

18.8691, 37.0301, 7.5919



Protanomaly

23.1914, 34.1134, 6.5246



Deuteranomaly

24.1239, 32.8952, 7.5606



Tritanomaly

22.6619, 36.0179, 28.3120

Monochromacy



Original Color

18.8691, 37.0301, 7.5919



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.2802, 22.7047, 12.8096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8691, 37.0301, 7.5919 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(14, 190, 33)` looks like.

```
.text, #text, p{  
    color:rgb(14, 190, 33)  
}
```

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(14, 190, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 190, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.8691, 37.0301, 7.5919 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(14, 190, 33) }
```


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

```
.border{ border-color:rgb(14, 190, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 190, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 190, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 190, 33);  
box-shadow:4px 4px 4px 4px rgb(14, 190,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8691, 37.0301, 7.5919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 190, 33) }
```

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

```
.background{ background-color: rgb(14, 190,  
33) }
```

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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