

Converting Colors

XYZ(18.8796, 37.1018, 7.6386)

Have a look what the booklet for
XYZ(18.8796, 37.1018, 7.6386)
contains.

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Color

**XYZ(18.8260, 37.0079,
7.5898)**

Conversions

Conversions Part 1

Format	Color
Hex	0BBE21
RGB	11, 190, 33
RGB Percent	4%, 75%, 13%
CMY	0.9569, 0.2549, 0.8706
CMYK	0.94, 0.00, 0.83, 0.25
HSL	127°, 89%, 39%
HSV	127°, 94%, 75%
XYZ	18.8260, 37.0079, 7.5898
YIQ	118.5810, -56.2870, -86.7750

Conversions

Conversions Part 2

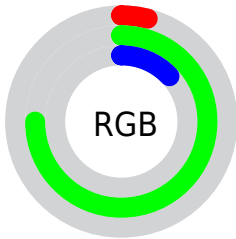
Format	Color
RYB	11, 170, 190
Decimal	769569
CIELab	67.28, -67.52, 61.28
CIELCh	67, 91.183, 137.773
Yxy	37.0079, 0.2968, 0.5835
Android (android.graphics.Color)	4278959649 (0xFF0BBE21)
YUV	118.5810, -42.1914, -94.3485
Hunter-Lab	60.8341, -51.2203, 35.1867

Details

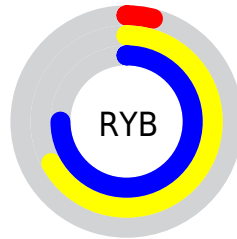
The XYZ color **18.8260, 37.0079, 7.5898** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **28.4235, 14.0141, 38.2518**, and the grayscale version is **17.5449, 18.4586, 20.1015**.

A 20% lighter version of the original color is **40.9787, 70.7323, 21.6181**, and **8.6640, 17.3279, 2.8880** is the 20% darker color. If you saturate the color by 10%, you get **18.5725, 36.8917, 6.9715**, and if you desaturate by 10%, it is **19.5184, 37.3319, 9.1577**.

Distribution



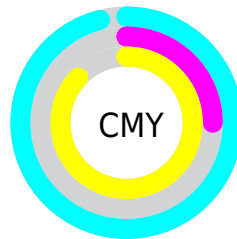
- Red (4%)
- Green (75%)
- Blue (13%)



- Red (4%)
- Yellow (67%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (83%)
- Black (25%)





- Cyan (96%)
- Magenta (25%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8260, 37.0079, 7.5898 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 18.8260, 37.0079, 7.5898 by changing the saturation by 10% instead.


 18.8260, 37.0079,
7.5898


 18.8260, 37.0079,
7.5898


238.4431,
333.3447, 182.2910


 11.6479, 25.2136,
3.7496


 40.9590, 70.5849,
21.6830


 6.5749, 16.2363,
1.4890


 56.6446, 93.1365,
32.7731


 3.2416, 9.6915,
0.2097


 75.8968, 120.0425,
47.1170

 1.2828, 5.1949,
0.0000

 99.0808, 151.6875,
65.1331

 0.1703, 2.3621,
0.0000

 126.5621,
188.4559, 87.2400

 0.0000, 0.8063,
0.0000

 158.7060,

 0.0000, 0.0000,

230.7319, 113.8563

0.0000

195.8779,
278.9001, 145.4004

■ 18.8260, 37.0079,
7.5898

■ 18.8260, 37.0079,
7.5898

■ 18.5725, 36.8917,
6.9715

■ 19.5184, 37.3319,
9.1577

■ 20.6743, 37.8788,
11.4281

■ 22.3597, 38.6820,
14.4717

■ 24.6291, 39.7685,
18.3499

■ 27.5301, 41.1615,
23.1178

■ 31.1055, 42.8820,
28.8260

■ 35.3942, 44.9492,
35.5211

■ 40.4321, 47.3805,
43.2467

■ 46.2529, 50.1925,
52.0438

Harmonies

Analogous

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



27.6110, 37.0079, 2.4889



18.8260, 37.0079, 7.5898



14.9438, 37.0079, 26.1262

Triad

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



18.8260, 37.0079, 7.5898



29.7981, 37.0079, 171.5109



67.3714, 37.0079, 21.1117

Complementary

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



18.8260, 37.0079, 7.5898



28.4235, 14.0141, 38.2518

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.



68.4120, 37.0079, 58.8373



18.8260, 37.0079, 7.5898



44.0075, 37.0079, 166.5112

Square

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



18.8260, 37.0079, 7.5898



20.0610, 37.0079, 128.0571



58.9902, 37.0079, 117.0364



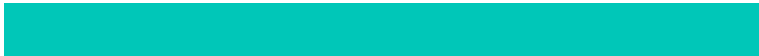
56.4392, 37.0079, 5.9915

Rectangle

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



18.8260, 37.0079, 7.5898



14.7403, 37.0079, 51.5949



58.9902, 37.0079, 117.0364



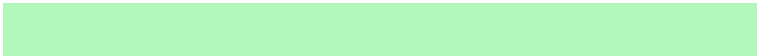
68.9771, 37.0079, 30.7791

Sweetspot

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



18.8269, 37.0094, 7.5906



60.6766, 79.7827, 58.9945



34.8626, 45.3009, 7.2232



12.5963, 17.1689, 11.8153



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.



18.8269, 37.0094, 7.5906



33.6075, 66.8316, 12.3843



22.0272, 38.2896, 24.4433



9.4552, 10.6682, 10.3808



12.3652, 24.5364, 4.7201



0.5002, 0.9675, 0.2684

Inverse Universe

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



28.4235, 14.0141, 38.2518



50.9982, 24.8446, 67.7140



22.7897, 11.7606, 8.5847



9.8781, 9.6755, 11.7471



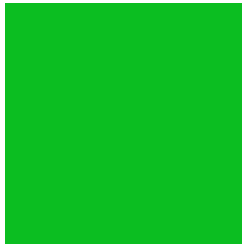
18.7559, 9.1335, 25.0721



0.7491, 0.3635, 1.0578

Previews

White Background



This preview shows how the XYZ color 18.8260, 37.0079, 7.5898 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 18.8260, 37.0079, 7.5898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

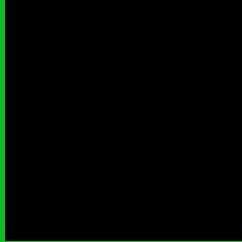
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.8260, 37.0079, 7.5898

Background



This preview shows how black text looks on a background with the XYZ color 18.8260, 37.0079, 7.5898.



This preview shows how white text looks on a background with the XYZ color 18.8260, 37.0079,

7.5898.

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

18.8260, 37.0079, 7.5898

Protanopia

32.8121, 36.3362, 6.2615

Deuteranopia

36.8040, 36.0556, 8.2685



Tritanopia

28.4344, 36.9113, 54.9162

Trichromacy



Original Color

18.8260, 37.0079, 7.5898



Protanomaly

22.9111, 33.9689, 6.5115



Deuteranomaly

23.9652, 32.8134, 7.5531



Tritanomaly

22.6066, 35.9894, 28.3094

Monochromacy



Original Color

18.8260, 37.0079, 7.5898



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.1951, 22.6609, 12.8056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8260, 37.0079, 7.5898 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(11, 190, 33)` looks like.

```
.text, #text, p{  
    color:rgb(11, 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(11, 190, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 190, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.8260, 37.0079, 7.5898 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(11, 190, 33) }
```


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

```
.border{ border-color:rgb(11, 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(11, 190, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 190, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 190, 33);  
box-shadow:4px 4px 4px 4px rgb(11, 190,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8260, 37.0079, 7.5898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 190, 33) }
```

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

```
.background{ background-color: rgb(11, 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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