

Converting Colors

XYZ(19.0040, 37.8724, 6.7527)

Have a look what the booklet for
XYZ(19.0040, 37.8724, 6.7527)
contains.

XYZ(18.9359, 37.7338, 6.7373)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.9359, 37.7338,
6.7373)**

Conversions

Conversions Part 1

Format	Color
Hex	00C00F
RGB	0, 192, 15
RGB Percent	0%, 75%, 6%
CMY	1.0000, 0.2470, 0.9411
CMYK	1.00, 0.00, 0.92, 0.25
HSL	125°, 100%, 38%
HSV	125°, 100%, 75%
XYZ	18.9359, 37.7338, 6.7373
YIQ	114.4140, -57.6150, -95.7510

Conversions

Conversions Part 2

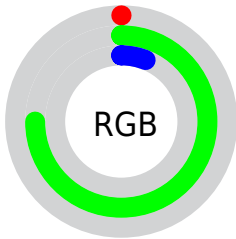
Format	Color
RYB	0, 178, 192
Decimal	49167
CIELab	67.82, -69.29, 65.42
CIELCh	68, 95.290, 136.644
Yxy	37.7338, 0.2986, 0.5951
Android (android.graphics.Color)	4278239247 (0xFF00C00F)
YUV	114.4140, -49.0111, -100.3411
Hunter-Lab	61.4278, -52.4739, 36.4967

Details

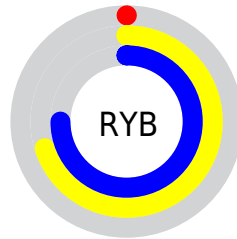
The XYZ color **18.9359, 37.7338, 6.7373** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **29.6738, 14.3808, 42.8009**, and the grayscale version is **16.2756, 17.1232, 18.6472**.

A 20% lighter version of the original color is **41.2264, 71.8205, 19.8735**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **18.9367, 37.7353, 6.7381**, and if you desaturate by 10%, it is **19.3935, 37.9495, 7.7209**.

Distribution



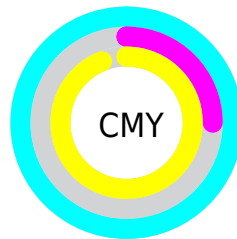
- Red (0%)
- Green (75%)
- Blue (6%)



- Red (0%)
- Yellow (70%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (92%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9359, 37.7338, 6.7373 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 18.9359, 37.7338, 6.7373 by changing the saturation by 10% instead.


 18.9359, 37.7338,
6.7373


 18.9359, 37.7338,
6.7373


239.0396,
336.4767, 175.0099


 11.7277, 25.7761,
3.2224

 41.1435, 71.6999,
19.9465


 6.6294, 16.6563,
1.2093


 56.8735, 94.4772,
30.4780

 3.2757, 9.9897,
0.0000


 76.1750, 121.6298,
44.1853

 1.3012, 5.3921,
0.0000

 99.4131, 153.5422,
61.4871

 0.1841, 2.4791,
0.0000

 126.9532,
190.5986, 82.8020

 0.0000, 0.8662,
0.0000

 159.1608,

 0.0000, 0.0000,

233.1836, 108.5484

0.0000

196.4011,
281.6815, 139.1448

■ 18.9359, 37.7338,
6.7373

■ 18.9359, 37.7338,
6.7373

■ 18.9367, 37.7353,
6.7381

■ 19.3935, 37.9495,
7.7209

■ 20.2494, 38.3545,
9.4006

■ 21.6192, 39.0072,
11.8767

■ 23.5673, 39.9393,
15.2314

■ 26.1486, 41.1774,
19.5367

■ 29.4116, 42.7451,
24.8572

■ 33.4001, 44.6639,
31.2518

■ 38.1541, 46.9531,
38.7749

■ 43.7109, 49.6308,
47.4772

Harmonies

Analogous

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



28.3356, 37.7338, 2.0524



18.9359, 37.7338, 6.7373



14.7345, 37.7338, 25.0272

Triad

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



18.9359, 37.7338, 6.7373



29.7013, 37.7338, 181.7254



70.5007, 37.7338, 21.9275

Complementary

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



18.9359, 37.7338, 6.7373



29.6738, 14.3808, 42.8009

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.



71.1642, 37.7338, 62.8624



18.9359, 37.7338, 6.7373



44.6221, 37.7338, 178.4922

Square

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



18.9359, 37.7338, 6.7373



19.6981, 37.7338, 133.0310



60.7069, 37.7338, 125.9429



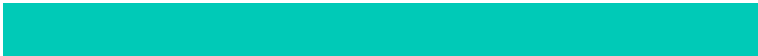
59.0860, 37.7338, 5.7968

Rectangle

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



18.9359, 37.7338, 6.7373



14.4180, 37.7338, 51.2244



60.7069, 37.7338, 125.9429



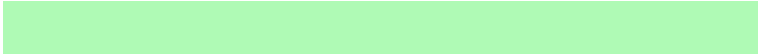
72.0789, 37.7338, 32.3817

Sweetspot

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



18.9368, 37.7354, 6.7382



60.1373, 80.7426, 56.0200



37.4879, 47.3088, 7.1557



12.2130, 16.9907, 10.9181



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.



18.9368, 37.7354, 6.7382



34.2768, 68.3580, 12.0285



21.6001, 38.8007, 20.7633



9.9757, 11.2713, 10.8753



12.7536, 25.3955, 4.5958



0.5622, 1.1017, 0.2575

Inverse Universe

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



29.6738, 14.3808, 42.8009



53.7217, 26.0388, 77.3209



23.3083, 11.8346, 9.2805



10.4622, 10.2335, 12.5245



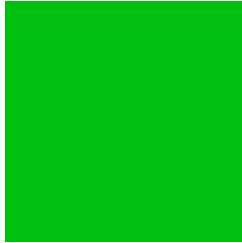
19.9797, 9.6816, 28.8688



0.8735, 0.4224, 1.3015

Previews

White Background



This preview shows how the XYZ color 18.9359, 37.7338, 6.7373 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 18.9359, 37.7338, 6.7373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

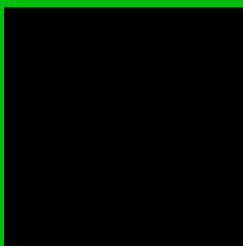
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.9359, 37.7338, 6.7373

Background



This preview shows how black text looks on a background with the XYZ color 18.9359, 37.7338, 6.7373.



This preview shows how white text looks on a background with the XYZ color 18.9359, 37.7338,

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

18.9359, 37.7338, 6.7373

Protanopia

33.2830, 36.8652, 5.3615

Deuteranopia

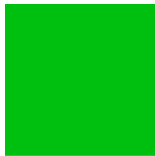
37.7967, 37.0806, 7.5480



Tritanopia

29.0540, 37.7959, 56.2161

Trichromacy



Original Color

18.9359, 37.7338, 6.7373



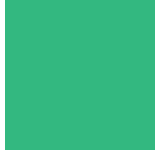
Protanomaly

22.6347, 34.1346, 5.5392



Deuteranomaly

23.8226, 33.3110, 6.6129



Tritanomaly

22.4020, 36.5433, 26.2949

Monochromacy



Original Color

18.9359, 37.7338, 6.7373



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.7958, 21.3125, 10.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9359, 37.7338, 6.7373 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, 192, 15)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 15)  
}
```

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, 192, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 15) }
```

Border

The CSS property to change the border of an element to XYZ 18.9359, 37.7338, 6.7373 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, 192, 15) }
```


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

```
.border{ border-color:rgb(0, 192, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 15);  
box-shadow:4px 4px 4px 4px rgb(0, 192, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9359, 37.7338, 6.7373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 15) }
```

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

```
.background{ background-color: rgb(0, 192,  
15) }
```

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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