

Converting Colors

XYZ(10.3837, 20.1464, 3.8717)

Have a look what the booklet for
XYZ(10.3837, 20.1464, 3.8717)
contains.

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Color

**XYZ(10.3837, 20.1464,
3.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	159011
RGB	21, 144, 17
RGB Percent	8%, 56%, 7%
CMY	0.9176, 0.4353, 0.9333
CMYK	0.85, 0.00, 0.88, 0.44
HSL	118°, 79%, 32%
HSV	118°, 88%, 56%
XYZ	10.3837, 20.1464, 3.8717
YIQ	92.7450, -32.5410, -65.5730

Conversions

Conversions Part 2

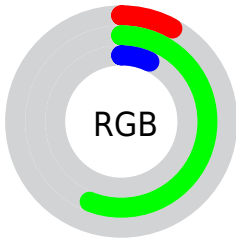
Format	Color
R_{YB}	17, 144, 140
Decimal	1413137
CIE _{Lab}	52.00, -54.09, 51.48
CIE _{LCh}	52, 74.670, 136.417
Yxy	20.1464, 0.3018, 0.5856
Android (android.graphics.Color)	4279603217 (0xFF159011)
YUV	92.7450, -37.3423, -62.9204
Hunter-Lab	44.8847, -37.2539, 26.3050

Details

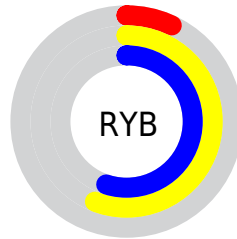
The XYZ color **10.3837, 20.1464, 3.8717** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **16.0517, 7.9912, 27.0830**, and the grayscale version is **10.4353, 10.9788, 11.9559**.

A 20% lighter version of the original color is **26.1071, 43.6302, 13.7021**, and **3.8271, 7.6543, 1.2757** is the 20% darker color. If you saturate the color by 10%, you get **10.0762, 19.9985, 3.4039**, and if you desaturate by 10%, it is **10.9178, 20.4048, 4.6878**.

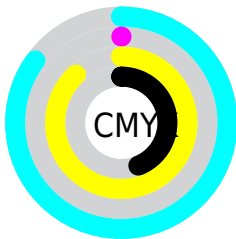
Distribution



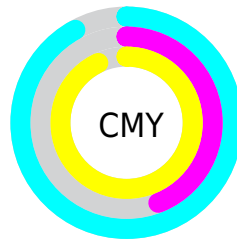
- Red (8%)
- Green (56%)
- Blue (7%)



- Red (7%)
- Yellow (56%)
- Blue (55%)



- Cyan (85%)
- Magenta (0%)
- Yellow (88%)
- Black (44%)



- Cyan (92%)
- Magenta (44%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3837, 20.1464, 3.8717 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 10.3837, 20.1464, 3.8717 by changing the saturation by 10% instead.

■ 10.3837, 20.1464,
3.8717

■ 10.3837, 20.1464,
3.8717

187.3861,
252.7066, 146.7885

■ 5.7183, 12.5015,
1.5552

■ 26.1579, 43.6625,
13.7128

■ 2.7136, 7.0862,
0.2586

■ 37.9975, 60.3025,
22.0744

■ 1.0042, 3.5161,
0.0000

■ 52.9591, 80.7096,
33.2883

■ 0.0000, 1.4067,
0.0000

■ 71.4082, 105.2683,
47.7728


■ 0.0000, 0.2217,
0.0000


■ 93.7100, 134.3630,
65.9465


■ 0.0000, 0.0000,
0.0000


■ 120.2301,


168.3780, 88.2280


 151.3336,
207.6977, 115.0358


 10.3837, 20.1464,
3.8717


 10.3837, 20.1464,
3.8717


 10.0762, 19.9985,
3.4039


 10.9178, 20.4048,
4.6878

 10.0303, 19.9765,
3.3272

 11.7246, 20.7934,
5.9606

 12.8347, 21.3274,
7.7441

 14.2740, 22.0191,
10.0845

 16.0659, 22.8796,
13.0227

■ 18.2313, 23.9191,
16.5960

■ 20.7899, 25.1468,
20.8385

■ 23.7598, 26.5715,
25.7818

■ 27.1578, 28.2012,
31.4558

Harmonies

Analogous

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



15.3031, 20.1464, 1.2922



10.3837, 20.1464, 3.8717



8.1553, 20.1464, 13.4919

Triad

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



10.3837, 20.1464, 3.8717



15.9132, 20.1464, 93.0994



36.8958, 20.1464, 12.0949

Complementary

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



10.3837, 20.1464, 3.8717



16.0517, 7.9912, 27.0830

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.



37.1867, 20.1464, 33.3246



10.3837, 20.1464, 3.8717



23.5895, 20.1464, 91.7000

Square

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



10.3837, 20.1464, 3.8717



10.7278, 20.1464, 68.4556



31.8258, 20.1464, 65.3727



31.1130, 20.1464, 3.4285

Rectangle

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



10.3837, 20.1464, 3.8717



7.9768, 20.1464, 26.9616



31.8258, 20.1464, 65.3727



37.6832, 20.1464, 17.5772

Sweetspot

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



10.3842, 20.1472, 3.8722



32.8530, 42.5213, 30.4262



20.9477, 24.6589, 4.1862



7.2392, 9.6096, 6.4898



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.3842, 20.1472, 3.8722



17.6638, 35.2188, 5.8669



11.5190, 20.5921, 10.2548



5.3576, 6.0370, 5.7722



8.7381, 17.3973, 2.8975



0.0860, 0.1676, 0.0278

Inverse Universe

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



16.0517, 7.9912, 27.0830



27.7706, 13.2906, 47.6397



13.3319, 6.9824, 9.1850



5.6097, 5.5025, 6.7952



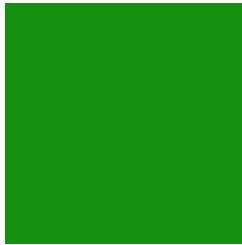
13.7285, 6.5709, 23.5218



0.1347, 0.0646, 0.2250

Previews

White Background



This preview shows how the XYZ color 10.3837, 20.1464, 3.8717 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3837, 20.1464, 3.8717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

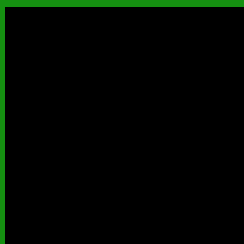
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.3837, 20.1464, 3.8717

Background



This preview shows how black text looks on a background with the XYZ color 10.3837, 20.1464, 3.8717.



This preview shows how white text looks on a background with the XYZ color 10.3837, 20.1464,

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

10.3837, 20.1464, 3.8717

Protanopia

17.9044, 19.9240, 3.1605

Deuteranopia

20.1822, 19.8125, 4.3506



Tritanopia

15.6858, 20.1513, 29.8509

Trichromacy



Original Color

10.3837, 20.1464, 3.8717

Protanomaly

13.0065, 18.7459, 3.2806

Deuteranomaly

13.7428, 18.3268, 3.9117

Tritanomaly

12.5120, 19.6872, 14.6958

Monochromacy



Original Color

10.3837, 20.1464, 3.8717

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.0630, 13.1633, 7.0641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3837, 20.1464, 3.8717 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(21, 144, 17)` looks like.

```
.text, #text, p{  
    color:rgb(21, 144, 17)  
}
```

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(21, 144, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 144, 17) }
```

Border

The CSS property to change the border of an element to XYZ 10.3837, 20.1464, 3.8717 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(21, 144, 17) }
```


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

```
.border{ border-color:rgb(21, 144, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 144, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 144, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 144, 17);  
box-shadow:4px 4px 4px 4px rgb(21, 144,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3837, 20.1464, 3.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 144, 17) }
```

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

```
.background{ background-color: rgb(21, 144,  
17) }
```

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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