

Converting Colors

XYZ(10.1487, 19.5313, 3.8390)

Have a look what the booklet for
XYZ(10.1487, 19.5313, 3.8390)
contains.

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Color

**XYZ(10.1914, 19.5997,
3.8621)**

Conversions

Conversions Part 1

Format	Color
Hex	198E13
RGB	25, 142, 19
RGB Percent	10%, 56%, 7%
CMY	0.9020, 0.4431, 0.9255
CMYK	0.82, 0.00, 0.87, 0.44
HSL	117°, 76%, 32%
HSV	117°, 87%, 56%
XYZ	10.1914, 19.5997, 3.8621
YIQ	92.9950, -30.2490, -63.0570

Conversions

Conversions Part 2

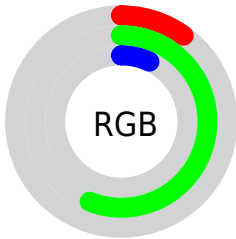
Format	Color
R_{YB}	19, 142, 136
Decimal	1674771
CIE _{Lab}	51.38, -52.90, 50.46
CIE _{LCh}	51, 73.107, 136.350
Yxy	19.5997, 0.3028, 0.5824
Android (android.graphics.Color)	4279864851 (0xFF198E13)
YUV	92.9950, -36.4795, -59.6316
Hunter-Lab	44.2715, -36.3841, 25.8178

Details

The XYZ color **10.1914, 19.5997, 3.8621** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **15.2712, 7.6544, 26.2649**, and the grayscale version is **10.4912, 11.0376, 12.0200**.

A 20% lighter version of the original color is **25.8869, 42.8340, 13.7409**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **9.8443, 19.4319, 3.3699**, and if you desaturate by 10%, it is **10.7690, 19.8796, 4.7237**.

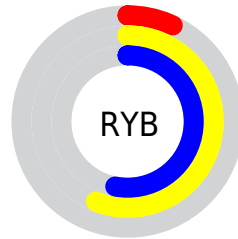
Distribution



Red (10%)

Green (56%)

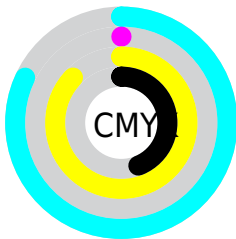
Blue (7%)



Red (7%)

Yellow (56%)

Blue (53%)

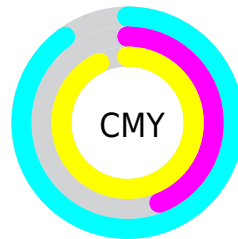


Cyan (82%)

Magenta (0%)

Yellow (87%)

Black (44%)



Cyan (90%)


Magenta (44%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1914, 19.5997, 3.8621 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 10.1914, 19.5997, 3.8621 by changing the saturation by 10% instead.


 10.1914, 19.5997,
3.8621


 10.1914, 19.5997,
3.8621


186.0579,
249.7397, 146.6801


 5.5893, 12.1044,
1.5500


 25.8013, 42.7450,
13.6905


 2.6353, 6.8148,
0.2548


 37.5398, 59.1638,
22.0438


 0.9640, 3.3466,
0.0000

 52.3878, 79.3260,
33.2479

 0.0000, 1.3152,
0.0000

 70.7107, 103.6158,
47.7215


 0.0000, 0.1529,
0.0000


 92.8738, 132.4176,
65.8829


 0.0000, 0.0000,
0.0000


 119.2425,


166.1160, 88.1508


 150.1820,
205.0952, 114.9437


 10.1914, 19.5997,
3.8621


 10.1914, 19.5997,
3.8621


 9.8443, 19.4319,
3.3699


 10.7690, 19.8796,
4.7237

 9.7600, 19.3915,
3.2285

 11.6117, 20.2858,
6.0362

 12.7470, 20.8321,
7.8504

 14.1984, 21.5296,
10.2099

 15.9871, 22.3884,
13.1536

■ 18.1325, 23.4178,
16.7169

■ 20.6524, 24.6262,
20.9322

■ 23.5636, 26.0215,
25.8299

■ 26.8817, 27.6114,
31.4384

Harmonies

Analogous

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



14.9428, 19.5997, 1.3269



10.1914, 19.5997, 3.8621



8.0299, 19.5997, 13.1753

Triad

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



10.1914, 19.5997, 3.8621



15.5025, 19.5997, 89.3123



35.6504, 19.5997, 11.8897

Complementary

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



10.1914, 19.5997, 3.8621



15.2712, 7.6544, 26.2649

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.



35.9156, 19.5997, 32.3299



10.1914, 19.5997, 3.8621



22.8763, 19.5997, 88.0421

Square

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



10.1914, 19.5997, 3.8621



10.5082, 19.5997, 65.7808



30.7743, 19.5997, 62.9777



30.1238, 19.5997, 3.4482

Rectangle

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



10.1914, 19.5997, 3.8621



7.8537, 19.5997, 26.1143



30.7743, 19.5997, 62.9777



36.3995, 19.5997, 17.1875

Sweetspot

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



10.1919, 19.6005, 3.8625



32.0043, 41.3081, 29.5284



20.0569, 23.3650, 4.0692



6.8786, 9.0970, 6.1462



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.1919, 19.6005, 3.8625



17.1694, 34.1727, 5.6911



11.1902, 19.9846, 9.8091



5.3657, 6.0411, 5.7726



8.7673, 17.4123, 2.8988



0.0877, 0.1685, 0.0279

Inverse Universe

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



15.2712, 7.6544, 26.2649



26.2126, 12.5185, 46.1626



13.0950, 6.8995, 9.5846



5.6007, 5.4978, 6.7948



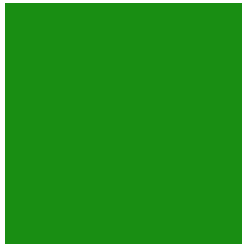
13.3716, 6.3869, 23.5051



0.1330, 0.0637, 0.2250

Previews

White Background



This preview shows how the XYZ color 10.1914, 19.5997, 3.8621 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



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 10.1914, 19.5997, 3.8621

Background



This preview shows how black text looks on a background with the XYZ color 10.1914, 19.5997, 3.8621.



This preview shows how white text looks on a background with the XYZ color 10.1914, 19.5997,

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

10.1914, 19.5997, 3.8621

Protanopia

17.3424, 19.2640, 3.1521

Deuteranopia

19.6856, 19.3844, 4.2941



Tritanopia

15.2591, 19.5425, 28.9544

Trichromacy



Original Color

10.1914, 19.5997, 3.8621

Protanomaly

12.7604, 18.2218, 3.2966

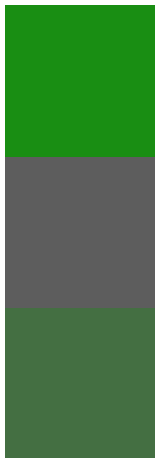
Deuteranomaly

13.4992, 17.8201, 3.8905

Tritanomaly

12.2754, 19.1431, 14.6033

Monochromacy



Original Color

10.1914, 19.5997, 3.8621

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.0517, 12.9912, 7.1847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1914, 19.5997, 3.8621 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(25, 142, 19)` looks like.

```
.text, #text, p{  
    color:rgb(25, 142, 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(25, 142, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 142, 19) }
```

Border

The CSS property to change the border of an element to XYZ 10.1914, 19.5997, 3.8621 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(25, 142, 19) }
```


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

```
.border{ border-color:rgb(25, 142, 19) }
```

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

Here you see how a box with a 4 pixel rgb(25, 142, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 142, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 142, 19);  
box-shadow:4px 4px 4px 4px rgb(25, 142,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1914, 19.5997, 3.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 142, 19) }
```

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

```
.background{ background-color: rgb(25, 142,  
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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