

Converting Colors

XYZ(10.2372, 19.2159, 4.9596)

Have a look what the booklet for
XYZ(10.2372, 19.2159, 4.9596)
contains.

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Color

**XYZ(10.1909, 19.1366,
4.9069)**

Conversions

Conversions Part 1

Format	Color
Hex	1C8C25
RGB	28, 140, 37
RGB Percent	11%, 55%, 15%
CMY	0.8902, 0.4510, 0.8549
CMYK	0.80, 0.00, 0.74, 0.45
HSL	125°, 67%, 33%
HSV	125°, 80%, 55%
XYZ	10.1909, 19.1366, 4.9069
YIQ	94.7700, -33.6890, -55.7770

Conversions

Conversions Part 2

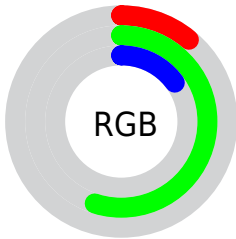
Format	Color
R_{YB}	28, 132, 140
Decimal	1870885
CIE _{Lab}	50.85, -50.60, 44.08
CIE _{LCh}	51, 67.105, 138.937
Yxy	19.1366, 0.2977, 0.5590
Android (android.graphics.Color)	4280060965 (0xFF1C8C25)
YUV	94.7700, -28.4806, -58.5573
Hunter-Lab	43.7454, -34.9712, 23.9712

Details

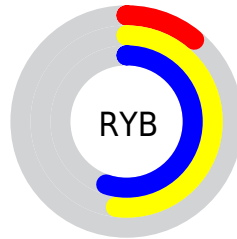
The XYZ color **10.1909, 19.1366, 4.9069** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.3276, 8.0449, 22.2175**, and the grayscale version is **10.8944, 11.4617, 12.4818**.

A 20% lighter version of the original color is **25.8927, 42.1145, 15.9967**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.7258, 18.9168, 4.0099**, and if you desaturate by 10%, it is **10.9064, 19.4784, 6.1888**.

Distribution



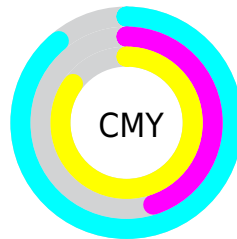
- Red (11%)
- Green (55%)
- Blue (15%)



- Red (11%)
- Yellow (52%)
- Blue (55%)



- Cyan (80%)
- Magenta (0%)
- Yellow (74%)
- Black (45%)



- Cyan (89%)
- Magenta (45%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1909, 19.1366, 4.9069 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 10.1909, 19.1366, 4.9069 by changing the saturation by 10% instead.

■ 10.1909, 19.1366,
4.9069

■ 10.1909, 19.1366,
4.9069

186.0545,
247.2018, 157.8274

■ 5.5890, 11.7690,
2.1350

■ 25.8004, 41.9648,
16.0525

■ 2.6351, 6.5866,
0.6365

■ 37.5386, 58.1942,
25.2633

■ 0.9639, 3.2049,
0.0000

■ 52.3863, 78.1463,
37.4575

■ 0.0000, 1.2396,
0.0000

■ 70.7089, 102.2056,
53.0535

■ 0.0000, 0.0937,
0.0000

■ 92.8716, 130.7564,
72.4700

■ 0.0000, 0.0000,
0.0000

■ 119.2399,

164.1831, 96.1254

150.1790,
202.8701, 124.4384

■ 10.1909, 19.1366,
4.9069

■ 10.1909, 19.1366,
4.9069

■ 9.7258, 18.9168,
4.0099

■ 10.9064, 19.4784,
6.1888

■ 9.4403, 18.7817,
3.4520

■ 11.8997, 19.9538,
7.8909

■ 9.4403, 18.7817,
3.4520

■ 13.1960, 20.5757,
10.0460

■ 14.8171, 21.3548,
12.6831

■ 16.7832, 22.3007,
15.8292

■ 19.1125, 23.4225,
19.5088

■ 21.8221, 24.7284,
23.7453

■ 24.9280, 26.2261,
28.5603

■ 28.4451, 27.9231,
33.9745

Harmonies

Analogous

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



14.3683, 19.1366, 1.8895



10.1909, 19.1366, 4.9069



8.3501, 19.1366, 14.6040

Triad

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



10.1909, 19.1366, 4.9069



15.8576, 19.1366, 80.8547



33.0517, 19.1366, 11.1161

Complementary

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



10.1909, 19.1366, 4.9069



15.3276, 8.0449, 22.2175

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.



33.7289, 19.1366, 28.6295



10.1909, 19.1366, 4.9069



22.6327, 19.1366, 77.7021

Square

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



10.1909, 19.1366, 4.9069



11.0528, 19.1366, 62.0889



29.5519, 19.1366, 55.0539



27.8789, 19.1366, 3.6787

Rectangle

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



10.1909, 19.1366, 4.9069



8.3015, 19.1366, 27.0177



29.5519, 19.1366, 55.0539



33.8526, 19.1366, 15.6783

Sweetspot

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



10.1914, 19.1374, 4.9073



31.7634, 40.3629, 31.3515



19.1878, 23.7896, 4.6792



7.0243, 9.1587, 6.7579



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.



10.1914, 19.1374, 4.9073



16.7620, 33.1698, 6.2388



11.7660, 19.7672, 13.1991



4.9871, 5.6143, 5.4532



8.3913, 16.6891, 3.0854



0.0576, 0.1116, 0.0303

Inverse Universe

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



15.3276, 8.0449, 22.2175



26.1287, 12.7799, 37.6869



12.5541, 6.9355, 7.6124



5.2168, 5.1222, 6.2301



13.1190, 6.3577, 18.9289



0.0895, 0.0432, 0.1383

Previews

White Background



This preview shows how the XYZ color 10.1909, 19.1366, 4.9069 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 10.1909, 19.1366, 4.9069 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 10.1909, 19.1366, 4.9069

Background



This preview shows how black text looks on a background with the XYZ color 10.1909, 19.1366, 4.9069.



This preview shows how white text looks on a background with the XYZ color 10.1909, 19.1366,

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

10.1909, 19.1366, 4.9069

Protanopia

17.0898, 18.9299, 4.1196

Deuteranopia

19.1081, 18.7239, 5.2963



Tritanopia

14.9739, 19.2124, 28.1185

Trichromacy



Original Color

10.1909, 19.1366, 4.9069

Protanomaly

12.8318, 18.0406, 4.3193

Deuteranomaly

13.4629, 17.4045, 4.9353

Tritanomaly

12.2887, 18.7076, 15.7952

Monochromacy



Original Color

10.1909, 19.1366, 4.9069

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

9.5190, 13.2029, 8.5253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1909, 19.1366, 4.9069 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(28, 140, 37)` looks like.

```
.text, #text, p{  
    color:rgb(28, 140, 37)  
}
```

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(28, 140, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 140, 37) }
```

Border

The CSS property to change the border of an element to XYZ 10.1909, 19.1366, 4.9069 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(28, 140, 37) }
```


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

```
.border{ border-color:rgb(28, 140, 37) }
```

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

Here you see how a box with a 4 pixel rgb(28, 140, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 140, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 140, 37);  
box-shadow:4px 4px 4px 4px rgb(28, 140,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1909, 19.1366, 4.9069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 140, 37) }
```

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

```
.background{ background-color: rgb(28, 140,  
37) }
```

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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