

Converting Colors

XYZ(10.0348, 19.5302, 4.1113)

Have a look what the booklet for
XYZ(10.0348, 19.5302, 4.1113)
contains.

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Color

**XYZ(10.0190, 19.5053,
4.1010)**

Conversions

Conversions Part 1

Format	Color
Hex	0E8E18
RGB	14, 142, 24
RGB Percent	5%, 56%, 9%
CMY	0.9451, 0.4431, 0.9059
CMYK	0.90, 0.00, 0.83, 0.44
HSL	125°, 82%, 31%
HSV	125°, 90%, 56%
XYZ	10.0190, 19.5053, 4.1010
YIQ	90.2760, -38.4100, -63.8340

Conversions

Conversions Part 2

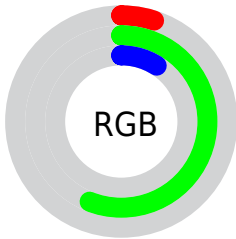
Format	Color
RYB	14, 133, 142
Decimal	953880
CIELab	51.27, -53.78, 48.95
CIELCh	51, 72.719, 137.693
Yxy	19.5053, 0.2980, 0.5801
Android (android.graphics.Color)	4279143960 (0xFF0E8E18)
YUV	90.2760, -32.6741, -66.8941
Hunter-Lab	44.1648, -36.7948, 25.4099

Details

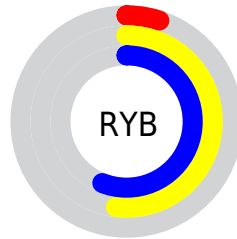
The XYZ color **10.0190, 19.5053, 4.1010** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.4777, 7.7311, 22.5063**, and the grayscale version is **9.8584, 10.3718, 11.2949**.

A 20% lighter version of the original color is **25.4974, 42.6209, 14.2799**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **9.7343, 19.3711, 3.5455**, and if you desaturate by 10%, it is **10.4933, 19.7307, 5.0136**.

Distribution



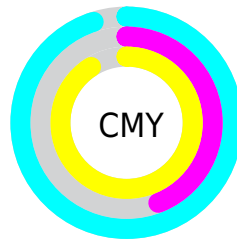
- Red (5%)
- Green (56%)
- Blue (9%)



- Red (5%)
- Yellow (52%)
- Blue (56%)



- Cyan (90%)
- Magenta (0%)
- Yellow (83%)
- Black (44%)



- Cyan (95%)
- Magenta (44%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0190, 19.5053, 4.1010 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 10.0190, 19.5053, 4.1010 by changing the saturation by 10% instead.

■ 10.0190, 19.5053,
4.1010

■ 10.0190, 19.5053,
4.1010

184.8584,
249.2243, 149.3415

■ 5.4739, 12.0360,
1.6809

■ 25.4806, 42.5862,
14.2420

■ 2.5655, 6.7682,
0.3476

■ 37.1278, 58.9666,
22.8001

■ 0.9284, 3.3175,
0.0000

■ 51.8731, 79.0861,
34.2412

■ 0.0000, 1.2997,
0.0000

■ 70.0818, 103.3291,
48.9838


■ 0.0000, 0.1410,
0.0000


■ 92.1194, 132.0800,
67.4467


■ 0.0000, 0.0000,
0.0000


■ 118.3511,


165.7233, 90.0482


 149.1423,
204.6432, 117.2069


 10.0190, 19.5053,
4.1010


 10.0190, 19.5053,
4.1010


 9.7343, 19.3711,
3.5455

 10.4933, 19.7307,
5.0136

 11.2246, 20.0795,
6.3229

 12.2432, 20.5670,
8.0679

 13.5749, 21.2059,
10.2824

 15.2426, 22.0073,
12.9969

■ 17.2670, 22.9812,
16.2394

■ 19.6671, 24.1370,
20.0357

■ 22.4607, 25.4832,
24.4100

■ 25.6644, 27.0280,
29.3850

Harmonies

Analogous

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



14.6152, 19.5053, 1.3870



10.0190, 19.5053, 4.1010



7.9782, 19.5053, 13.8106

Triad

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



10.0190, 19.5053, 4.1010



15.7223, 19.5053, 89.0520



35.2548, 19.5053, 11.2643

Complementary

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



10.0190, 19.5053, 4.1010



15.4777, 7.7311, 22.5063

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.



35.7780, 19.5053, 30.9410



10.0190, 19.5053, 4.1010



23.1093, 19.5053, 86.5499

Square

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



10.0190, 19.5053, 4.1010



10.6465, 19.5053, 66.5932



30.8855, 19.5053, 61.0681



29.6014, 19.5053, 3.2767

Rectangle

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



10.0190, 19.5053, 4.1010



7.8676, 19.5053, 27.0463



30.8855, 19.5053, 61.0681



36.0811, 19.5053, 16.3271

Sweetspot

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



10.0195, 19.5061, 4.1014



31.4738, 41.0178, 30.2659



19.4998, 24.4033, 4.0981



6.7692, 9.0360, 6.3459



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.



10.0195, 19.5061, 4.1014



17.1392, 34.1477, 6.1158



11.5559, 20.1207, 12.1924



5.3589, 6.0358, 5.8560



8.7428, 17.3930, 3.1998



0.0863, 0.1674, 0.0449

Inverse Universe

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



15.4777, 7.7311, 22.5063



26.8567, 13.0151, 38.7572



12.4017, 6.5007, 6.3081



5.6083, 5.5039, 6.7015



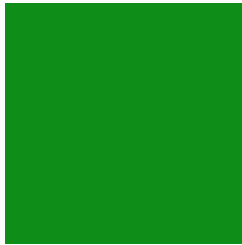
13.6913, 6.6335, 19.8234



0.1344, 0.0648, 0.2079

Previews

White Background



This preview shows how the XYZ color 10.0190, 19.5053, 4.1010 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

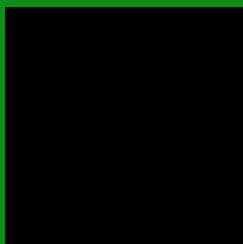
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.0190, 19.5053, 4.1010

Background



This preview shows how black text looks on a background with the XYZ color 10.0190, 19.5053, 4.1010.



This preview shows how white text looks on a background with the XYZ color 10.0190, 19.5053,

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

10.0190, 19.5053, 4.1010

Protanopia

17.3852, 19.2811, 3.3776

Deuteranopia

19.4295, 19.0768, 4.4919



Tritanopia

15.0727, 19.4464, 28.9457

Trichromacy



Original Color

10.0190, 19.5053, 4.1010



Protanomaly

12.3902, 18.0263, 3.4882



Deuteranomaly

13.0876, 17.6018, 4.1465



Tritanomaly

12.1007, 19.0420, 15.0943

Monochromacy



Original Color

10.0190, 19.5053, 4.1010



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.4386, 12.3548, 7.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0190, 19.5053, 4.1010 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(14, 142, 24)` looks like.

```
.text, #text, p{  
    color:rgb(14, 142, 24)  
}
```

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(14, 142, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 142, 24) }
```

Border

The CSS property to change the border of an element to XYZ 10.0190, 19.5053, 4.1010 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(14, 142, 24) }
```


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

```
.border{ border-color:rgb(14, 142, 24) }
```

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

Here you see how a box with a 4 pixel rgb(14, 142, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 142, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 142, 24);  
box-shadow:4px 4px 4px 4px rgb(14, 142,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0190, 19.5053, 4.1010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 142, 24) }
```

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

```
.background{ background-color: rgb(14, 142,  
24) }
```

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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