

Converting Colors

XYZ(10.0108, 18.8477, 4.3474)

Have a look what the booklet for
XYZ(10.0108, 18.8477, 4.3474)
contains.

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Color

**XYZ(10.0024, 18.8350,
4.3366)**

Conversions

Conversions Part 1

Format	Color
Hex	1E8B1E
RGB	30, 139, 30
RGB Percent	12%, 55%, 12%
CMY	0.8823, 0.4549, 0.8823
CMYK	0.78, 0.00, 0.78, 0.45
HSL	120°, 64%, 33%
HSV	120°, 78%, 55%
XYZ	10.0024, 18.8350, 4.3366
YIQ	93.9830, -29.9750, -57.0070

Conversions

Conversions Part 2

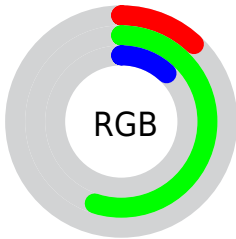
Format	Color
R_{YB}	30, 139, 139
Decimal	2001694
CIE _{Lab}	50.49, -50.55, 46.34
CIE _{LCh}	50, 68.578, 137.485
Yxy	18.8350, 0.3015, 0.5678
Android (android.graphics.Color)	4280191774 (0xFF1E8B1E)
YUV	93.9830, -31.5436, -56.1131
Hunter-Lab	43.3993, -34.8092, 24.4551

Details

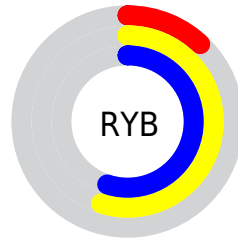
The XYZ color **10.0024, 18.8350, 4.3366** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.7724, 8.2819, 25.1933**, and the grayscale version is **10.7131, 11.2711, 12.2742**.

A 20% lighter version of the original color is **25.5724, 41.6410, 14.8733**, and **3.4082, 6.8164, 1.1361** is the 20% darker color. If you saturate the color by 10%, you get **9.5427, 18.6148, 3.5844**, and if you desaturate by 10%, it is **10.7203, 19.1804, 5.5106**.

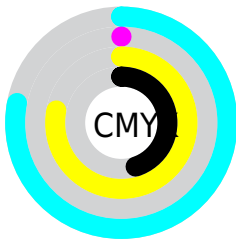
Distribution



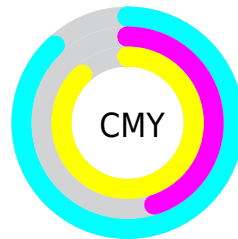
- Red (12%)
- Green (55%)
- Blue (12%)



- Red (12%)
- Yellow (55%)
- Blue (55%)



- Cyan (78%)
- Magenta (0%)
- Yellow (78%)
- Black (45%)





- Cyan (88%)
- Magenta (45%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.0024, 18.8350, 4.3366 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 10.0024, 18.8350, 4.3366 by changing the saturation by 10% instead.


 10.0024, 18.8350,
4.3366


 10.0024, 18.8350,
4.3366


184.7425,
245.5364, 151.8963


 5.4628, 11.5511,
1.8118


 25.4496, 41.4551,
14.7789


 2.5588, 6.4388,
0.4357


 37.0880, 57.5601,
23.5335


 0.9250, 3.1137,
0.0000

 51.8234, 77.3743,
35.2016

 0.0000, 1.1914,
0.0000

 70.0211, 101.2820,
50.2020

 0.0000, 0.0546,
0.0000

 92.0465, 129.6677,
68.9531

 0.0000, 0.0000,
0.0000

 118.2650,

162.9157, 91.8735

149.0418,
201.4105, 119.3817

10.0024, 18.8350,
4.3366

10.0024, 18.8350,
4.3366

9.5427, 18.6148,
3.5844

10.7203, 19.1804,
5.5106

9.2726, 18.4850,
3.1425

11.7251, 19.6631,
7.1542

9.2330, 18.4660,
3.0778

13.0434, 20.2963,
9.3104

14.6980, 21.0911,
12.0169

16.7099, 22.0575,
15.3078

■ 19.0984, 23.2048,
19.2145

■ 21.8812, 24.5415,
23.7662

■ 25.0750, 26.0757,
28.9902

■ 28.6955, 27.8148,
34.9121

Harmonies

Analogous

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



14.3120, 18.8350, 1.6244



10.0024, 18.8350, 4.3366



8.0592, 18.8350, 13.5224

Triad

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



10.0024, 18.8350, 4.3366



15.2594, 18.8350, 81.5009



33.1686, 18.8350, 11.3187

Complementary

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



10.0024, 18.8350, 4.3366



15.7724, 8.2819, 25.1933

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.



33.6057, 18.8350, 29.5612



10.0024, 18.8350, 4.3366



22.0474, 18.8350, 79.4458

Square

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



10.0024, 18.8350, 4.3366



10.5466, 18.8350, 61.3542



29.1429, 18.8350, 56.7866



28.0659, 18.8350, 3.5838

Rectangle

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



10.0024, 18.8350, 4.3366



7.9448, 18.8350, 25.6858



29.1429, 18.8350, 56.7866



33.9045, 18.8350, 16.0777

Sweetspot

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



10.0028, 18.8358, 4.3370



31.5073, 40.2605, 30.0033



20.1152, 24.0489, 4.8101



6.9609, 9.1333, 6.4242



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.



10.0028, 18.8358, 4.3370



16.7299, 33.1622, 5.8318



11.3884, 19.3900, 11.6334



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7777



0.0554, 0.1107, 0.0185

Inverse Universe

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



15.7724, 8.2819, 25.1933



27.5311, 13.4041, 44.8769



12.7322, 7.0658, 9.1837



5.2339, 5.1290, 6.3200



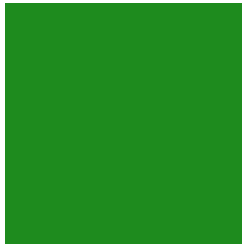
13.8156, 6.6364, 22.5973



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 10.0024, 18.8350, 4.3366 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 10.0024, 18.8350, 4.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

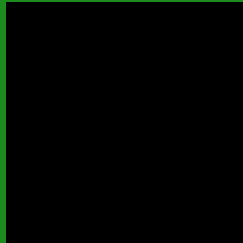
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.0024, 18.8350, 4.3366

Background



This preview shows how black text looks on a background with the XYZ color 10.0024, 18.8350, 4.3366.



This preview shows how white text looks on a background with the XYZ color 10.0024, 18.8350,

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

10.0024, 18.8350, 4.3366

Protanopia

16.7235, 18.5715, 3.6229

Deuteranopia

18.6998, 18.3599, 4.6561



Tritanopia

14.7662, 18.9155, 27.6837

Trichromacy



Original Color

10.0024, 18.8350, 4.3366



Protanomaly

12.6111, 17.7447, 3.7973



Deuteranomaly

13.2373, 17.1168, 4.3565



Tritanomaly

12.0530, 18.3990, 14.9727

Monochromacy



Original Color

10.0024, 18.8350, 4.3366



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.3118, 12.9464, 7.9694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0024, 18.8350, 4.3366 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(30, 139, 30)` looks like.

```
.text, #text, p{  
    color:rgb(30, 139, 30)  
}
```

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(30, 139, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 139, 30) }
```

Border

The CSS property to change the border of an element to XYZ 10.0024, 18.8350, 4.3366 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(30, 139, 30) }
```


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

```
.border{ border-color:rgb(30, 139, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 139, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 139, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 139, 30);  
box-shadow:4px 4px 4px 4px rgb(30, 139,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0024, 18.8350, 4.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 139, 30) }
```

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

```
.background{ background-color: rgb(30, 139,  
30) }
```

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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