

Converting Colors

XYZ(9.9161, 17.4432, 3.8512)

Have a look what the booklet for
XYZ(9.9161, 17.4432, 3.8512)
contains.

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Color

**XYZ(10.0015, 17.5843,
3.9039)**

Conversions

Conversions Part 1

Format	Color
Hex	34851B
RGB	52, 133, 27
RGB Percent	20%, 52%, 11%
CMY	0.7961, 0.4784, 0.8941
CMYK	0.61, 0.00, 0.80, 0.48
HSL	106°, 66%, 31%
HSV	106°, 80%, 52%
XYZ	10.0015, 17.5843, 3.9039
YIQ	96.6970, -14.2500, -50.1380

Conversions

Conversions Part 2

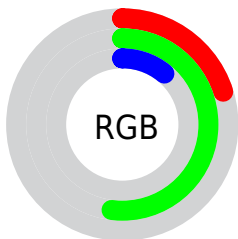
Format	Color
R_YB	27, 133, 108
Decimal	3441947
CIE Lab	48.99, -44.07, 46.10
CIE LCh	49, 63.773, 133.708
Yxy	17.5843, 0.3176, 0.5584
Android (android.graphics.Color)	4281632027 (0xFF34851B)
YUV	96.6970, -34.3606, -39.1993
Hunter-Lab	41.9336, -30.8102, 23.8338

Details


The XYZ color **10.0015, 17.5843, 3.9039** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.8113, 5.6663, 22.7153**, and the grayscale version is **11.3724, 11.9646, 13.0295**.

A 20% lighter version of the original color is **25.4026, 39.3080, 13.8378**, and **3.0173, 6.0346, 1.0058** is the 20% darker color. If you saturate the color by 10%, you get **9.4133, 17.2955, 3.2473**, and if you desaturate by 10%, it is **10.7730, 17.9605, 4.9337**.

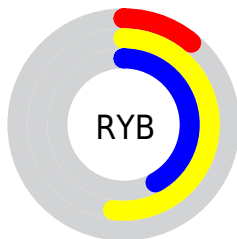
Distribution



 Red (20%)

 Green (52%)

 Blue (11%)




 Red (11%)

 Yellow (52%)

 Blue (42%)

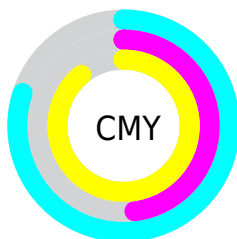


 Cyan (61%)


 Magenta (0%)

 Yellow (80%)

 Black (48%)



 Cyan (80%)

 Magenta (48%)

 Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0015, 17.5843, 3.9039 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 10.0015, 17.5843, 3.9039 by changing the saturation by 10% instead.

■ 10.0015, 17.5843,
3.9039

■ 10.0015, 17.5843,
3.9039

184.7362,
238.5174, 147.1512

■ 5.4622, 10.6520,
1.5728

■ 25.4480, 39.3277,
13.7875

■ 2.5585, 5.8333,
0.2713

■ 37.0859, 54.9075,
22.1771

■ 0.9248, 2.7440,
0.0000

■ 51.8207, 74.1387,
33.4232

■ 0.0000, 0.9996,
0.0000

■ 70.0178, 97.4055,
47.9444

■ 0.0000, 0.0000,
0.0000

■ 92.0426, 125.0923,
66.1593

■ 118.2603,

157.5837, 88.4863

149.0364,
195.2639, 115.3441

10.0015, 17.5843,
3.9039

10.0015, 17.5843,
3.9039

9.4133, 17.2955,
3.2473

10.7730, 17.9605,
4.9337

8.9756, 17.0786,
2.8350

11.7415, 18.4288,
6.3799

8.9640, 17.0728,
2.8229

12.9207, 18.9959,
8.2809

14.3229, 19.6673,
10.6706

15.9590, 20.4481,
13.5796

■ 17.8395, 21.3429,
17.0359

■ 19.9741, 22.3564,
21.0657

■ 22.3719, 23.4926,
25.6934

■ 25.0417, 24.7555,
30.9419

Harmonies

Analogous

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



14.1516, 17.5843, 1.7107



10.0015, 17.5843, 3.9039



7.9766, 17.5843, 11.3618

Triad

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



10.0015, 17.5843, 3.9039



13.7113, 17.5843, 70.7890



30.4368, 17.5843, 12.3970

Complementary

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



10.0015, 17.5843, 3.9039



10.8113, 5.6663, 22.7153

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.



30.2386, 17.5843, 29.8593



10.0015, 17.5843, 3.9039



19.5670, 17.5843, 71.7050

Square

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



10.0015, 17.5843, 3.9039



9.7453, 17.5843, 51.7844



25.9068, 17.5843, 53.8338



26.3972, 17.5843, 4.2762

Rectangle

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



10.0015, 17.5843, 3.9039



7.7142, 17.5843, 21.3395



25.9068, 17.5843, 53.8338



30.8882, 17.5843, 17.1088

Sweetspot

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



10.0019, 17.5850, 3.9043



30.2567, 37.4160, 27.3797



15.0773, 15.4781, 3.2301



6.5895, 8.3214, 5.7528



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.0019, 17.5850, 3.9043



16.1936, 30.6412, 5.2600



9.4943, 17.2706, 6.2625



4.7116, 5.2539, 4.9951



8.5443, 16.2647, 2.6891



0.0352, 0.0592, 0.0096

Inverse Universe

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



10.8113, 5.6663, 22.7153



17.5121, 8.2638, 40.4105



12.6932, 6.8220, 14.4211



4.7534, 4.7090, 5.8591



9.2204, 4.2874, 21.4783



0.0384, 0.0182, 0.0747

Previews

White Background



This preview shows how the XYZ color 10.0015, 17.5843, 3.9039 looks on a white background.

Color Contrast Check

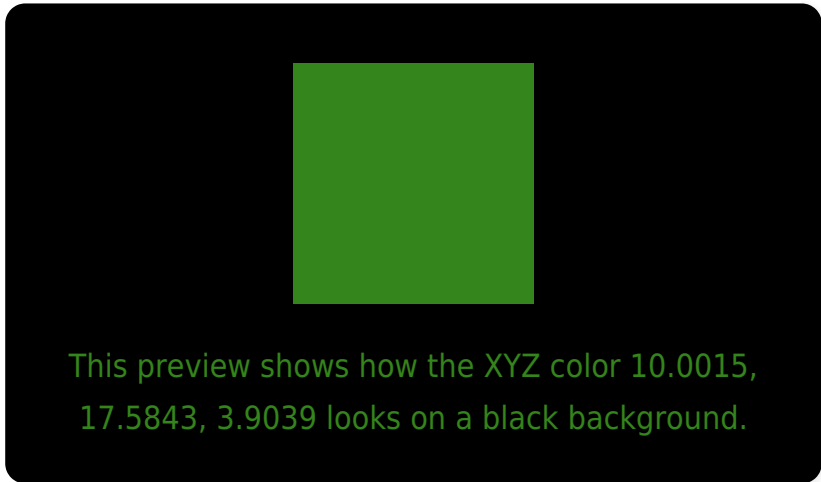
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 10.0015, 17.5843, 3.9039

Background



This preview shows how black text looks on a background with the XYZ color 10.0015, 17.5843, 3.9039.



This preview shows how white text looks on a background with the XYZ color 10.0015, 17.5843,

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

10.0015, 17.5843, 3.9039

Protanopia

15.6060, 17.2985, 3.3270

Deuteranopia

17.6028, 17.3115, 4.2474



Tritanopia

14.3348, 17.5924, 25.1944

Trichromacy



Original Color

10.0015, 17.5843, 3.9039

Protanomaly

12.6039, 16.8098, 3.4445

Deuteranomaly

13.3227, 16.4519, 3.9867

Tritanomaly

11.9017, 17.1632, 13.5120

Monochromacy



Original Color

10.0015, 17.5843, 3.9039

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.1390, 13.3691, 8.1770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0015, 17.5843, 3.9039 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(52, 133, 27)` looks like.

```
.text, #text, p{  
    color:rgb(52, 133, 27)  
}
```

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(52, 133, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 133, 27) }
```

Border

The CSS property to change the border of an element to XYZ 10.0015, 17.5843, 3.9039 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(52, 133, 27) }
```


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

```
.border{ border-color:rgb(52, 133, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 133, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 133, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 133, 27);  
box-shadow:4px 4px 4px 4px rgb(52, 133,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0015, 17.5843, 3.9039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 133, 27) }
```

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

```
.background{ background-color: rgb(52, 133,  
27) }
```

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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