

Converting Colors

XYZ(9.4154, 18.6138, 3.7175)

Have a look what the booklet for
XYZ(9.4154, 18.6138, 3.7175)
contains.

XYZ(9.3627, 18.5187, 3.6971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.3627, 18.5187,
3.6971)**

Conversions

Conversions Part 1

Format	Color
Hex	018B13
RGB	1, 139, 19
RGB Percent	0%, 55%, 7%
CMY	0.9961, 0.4549, 0.9255
CMYK	0.99, 0.00, 0.86, 0.45
HSL	128°, 99%, 27%
HSV	128°, 99%, 55%
XYZ	9.3627, 18.5187, 3.6971
YIQ	84.0580, -43.7280, -66.5760

Conversions

Conversions Part 2

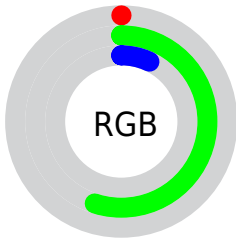
Format	Color
R_{YB}	1, 123, 139
Decimal	101139
CIE _{Lab}	50.12, -54.08, 49.24
CIE _{LCh}	50, 73.134, 137.684
Yxy	18.5187, 0.2965, 0.5864
Android (android.graphics.Color)	4278291219 (0xFF018B13)
YUV	84.0580, -32.0736, -72.8419
Hunter-Lab	43.0334, -36.4724, 25.0296

Details

The XYZ color **9.3627, 18.5187, 3.6971** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.1099, 6.8914, 18.6753**, and the grayscale version is **8.5101, 8.9533, 9.7502**.

A 20% lighter version of the original color is **24.3081, 41.0229, 13.2936**, and **3.4082, 6.8164, 1.1361** is the 20% darker color. If you saturate the color by 10%, you get **9.3433, 18.5101, 3.6584**, and if you desaturate by 10%, it is **9.6770, 18.6661, 4.3957**.

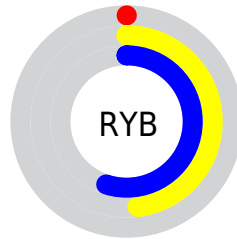
Distribution



Red (0%)

Green (55%)

Blue (7%)



Red (0%)

Yellow (48%)

Blue (55%)

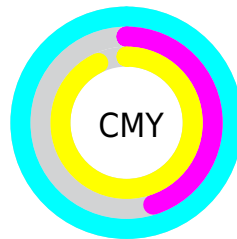


Cyan (99%)

Magenta (0%)

Yellow (86%)

Black (45%)



Cyan (100%)


Magenta (45%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.3627, 18.5187, 3.6971 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 9.3627, 18.5187, 3.6971 by changing the saturation by 10% instead.


 9.3627, 18.5187,
3.6971


 9.3627, 18.5187,
3.6971


180.2114,
243.7787, 144.7967


 5.0375, 11.3230,
1.4607


 24.2504, 40.9192,
13.3049


 2.3043, 6.2845,
0.1884


 35.5436, 56.8928,
21.5134


 0.7968, 3.0189,
0.0000

 49.8902, 76.5612,
32.5497

 0.0000, 1.1416,
0.0000

 67.6556, 100.3088,
46.8323


 0.0000, 0.0132,
0.0000


 89.2050, 128.5199,
64.7798


 0.0000, 0.0000,
0.0000


 114.9039,


161.5790, 86.8106


 145.1176,
199.8705, 113.3434


 9.3627, 18.5187,
3.6971


 9.3627, 18.5187,
3.6971


 9.3433, 18.5101,
3.6584

 9.6770, 18.6661,
4.3957

 10.1735, 18.9001,
5.4148

 10.9129, 19.2516,
6.7888

 11.9216, 19.7337,
8.5467

 13.2227, 20.3578,
10.7141

■ 14.8366, 21.1340,
13.3145

■ 16.7821, 22.0713,
16.3699

■ 19.0762, 23.1782,
19.9004

■ 21.7350, 24.4625,
23.9251

Harmonies

Analogous

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



13.7978, 18.5187, 1.1849



9.3627, 18.5187, 3.6971



7.4046, 18.5187, 12.9672

Triad

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



9.3627, 18.5187, 3.6971



14.8665, 18.5187, 86.8065



33.9251, 18.5187, 10.5233

Complementary

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



9.3627, 18.5187, 3.6971



14.1099, 6.8914, 18.6753

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.



34.4364, 18.5187, 29.6256



9.3627, 18.5187, 3.6971



22.0469, 18.5187, 84.3405

Square

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



9.3627, 18.5187, 3.6971



9.9643, 18.5187, 64.6251



29.6428, 18.5187, 59.1973



28.3905, 18.5187, 2.9281

Rectangle

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



9.3627, 18.5187, 3.6971



7.2983, 18.5187, 25.8107



29.6428, 18.5187, 59.1973



34.7347, 18.5187, 15.4070

Sweetspot

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



9.3631, 18.5195, 3.6975



29.5376, 39.2760, 28.5131



17.3929, 22.6719, 3.4882



6.4978, 8.9015, 6.0876



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.



9.3631, 18.5195, 3.6975



16.6950, 33.1325, 6.3589



10.9294, 19.1460, 11.9453



4.9967, 5.6182, 5.5037



8.4364, 16.7071, 3.3228



0.0590, 0.1122, 0.0376

Inverse Universe

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



14.1099, 6.8914, 18.6753



25.1904, 12.2788, 33.1335



11.3223, 5.7764, 3.9963



5.2063, 5.1179, 6.1746



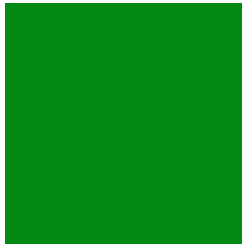
12.7217, 6.1988, 16.8366



0.0881, 0.0426, 0.1309

Previews

White Background



This preview shows how the XYZ color 9.3627, 18.5187, 3.6971 looks on a white background.

Color Contrast Check

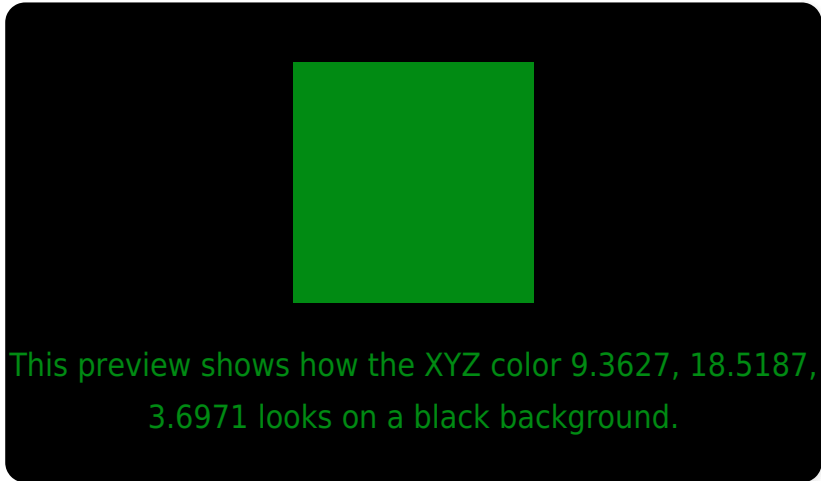
Large Text (above 18pt) WCAG AA ✓ Pass

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

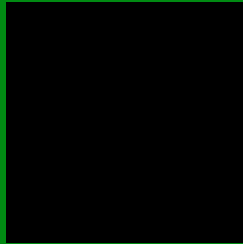
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.3627, 18.5187, 3.6971

Background



This preview shows how black text looks on a background with the XYZ color 9.3627, 18.5187, 3.6971.



This preview shows how white text looks on a background with the XYZ color 9.3627, 18.5187, 3.6971.

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

9.3627, 18.5187, 3.6971

Protanopia

16.4947, 18.2885, 3.0085

Deuteranopia

18.6029, 18.3212, 4.1460



Tritanopia

14.3288, 18.4935, 27.6253

Trichromacy



Original Color

9.3627, 18.5187, 3.6971



Protanomaly

11.3848, 16.9346, 3.1206



Deuteranomaly

11.9006, 16.4407, 3.7085



Tritanomaly

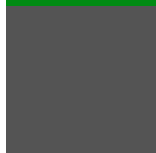
11.2618, 18.0129, 13.9496

Monochromacy



Original Color

9.3627, 18.5187, 3.6971



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.2872, 11.0111, 6.0163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3627, 18.5187, 3.6971 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(1, 139, 19)` looks like.

```
.text, #text, p{  
    color:rgb(1, 139, 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(1, 139, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 139, 19) }
```

Border

The CSS property to change the border of an element to XYZ 9.3627, 18.5187, 3.6971 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(1, 139, 19) }
```


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

```
.border{ border-color:rgb(1, 139, 19) }
```

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

Here you see how a box with a 4 pixel rgb(1, 139, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 139, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 139, 19);  
box-shadow:4px 4px 4px 4px rgb(1, 139, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.3627, 18.5187, 3.6971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 139, 19) }
```

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

```
.background{ background-color: rgb(1, 139,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor