

Converting Colors

XYZ(9.5110, 18.8678, 3.6453)

Have a look what the booklet for
XYZ(9.5110, 18.8678, 3.6453)
contains.

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Color

**XYZ(9.4716, 18.7936,
3.6185)**

Conversions

Conversions Part 1

Format	Color
Hex	008C10
RGB	0, 140, 16
RGB Percent	0%, 55%, 6%
CMY	1.0000, 0.4510, 0.9372
CMYK	1.00, 0.00, 0.89, 0.45
HSL	127°, 100%, 27%
HSV	127°, 100%, 55%
XYZ	9.4716, 18.7936, 3.6185
YIQ	84.0040, -43.6360, -68.2440

Conversions

Conversions Part 2

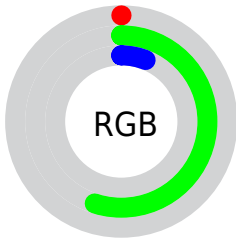
Format	Color
RYB	0, 126, 140
Decimal	35856
CIELab	50.44, -54.59, 50.26
CIELCh	50, 74.203, 137.366
Yxy	18.7936, 0.2971, 0.5894
Android (android.graphics.Color)	4278225936 (0xFF008C10)
YUV	84.0040, -33.5260, -73.6715
Hunter-Lab	43.3516, -36.8660, 25.3973

Details

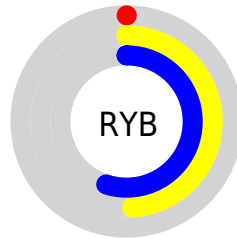
The XYZ color **9.4716, 18.7936, 3.6185** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.4535, 7.0308, 19.6628**, and the grayscale version is **8.5017, 8.9444, 9.7405**.

A 20% lighter version of the original color is **24.4974, 41.4559, 13.1892**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.4721, 18.7944, 3.6189**, and if you desaturate by 10%, it is **9.7741, 18.9361, 4.2642**.

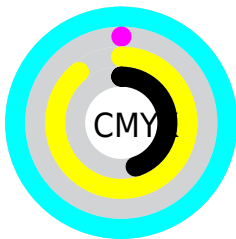
Distribution



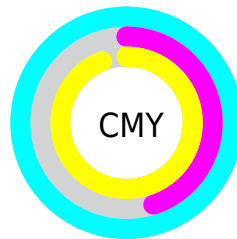
- Red (0%)
- Green (55%)
- Blue (6%)



- Red (0%)
- Yellow (49%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (89%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4716, 18.7936, 3.6185 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 9.4716, 18.7936, 3.6185 by changing the saturation by 10% instead.

■ 9.4716, 18.7936,
3.6185

■ 9.4716, 18.7936,
3.6185

180.9917,
245.3069, 143.8856

■ 5.1096, 11.5212,
1.4185

■ 24.4556, 41.3850,
13.1199

■ 2.3471, 6.4186,
0.1561

■ 35.8083, 57.4729,
21.2583

■ 0.8186, 3.1012,
0.0000

■ 50.2219, 77.2681,
32.2133

■ 0.0000, 1.1848,
0.0000

■ 68.0618, 101.1549,
46.4034


■ 0.0000, 0.0492,
0.0000


■ 89.6934, 129.5178,
64.2472


■ 0.0000, 0.0000,
0.0000


■ 115.4820,


162.7412, 86.1631


 145.7930,
201.2094, 112.5697


 9.4716, 18.7936,
3.6185


 9.4716, 18.7936,
3.6185


 9.4721, 18.7944,
3.6189

 9.7741, 18.9361,
4.2642

 10.2542, 19.1626,
5.2384

 10.9807, 19.5082,
6.5797

 11.9812, 19.9864,
8.3197

 13.2797, 20.6092,
10.4867

■ 14.8975, 21.3869,
13.1062

■ 16.8540, 22.3291,
16.2021

■ 19.1671, 23.4443,
19.7961

■ 21.8532, 24.7408,
23.9090

Harmonies

Analogous

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



14.0310, 18.7936, 1.1389



9.4716, 18.7936, 3.6185



7.4513, 18.7936, 12.9398

Triad

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



9.4716, 18.7936, 3.6185



14.9948, 18.7936, 88.9528



34.6608, 18.7936, 10.7415

Complementary

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



9.4716, 18.7936, 3.6185



14.4535, 7.0308, 19.6628

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.



35.1244, 18.7936, 30.4506



9.4716, 18.7936, 3.6185



22.3354, 18.7936, 86.7090

Square

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



9.4716, 18.7936, 3.6185



10.0126, 18.7936, 65.8704



30.1478, 18.7936, 60.9384



29.0134, 18.7936, 2.9354

Rectangle

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



9.4716, 18.7936, 3.6185



7.3283, 18.7936, 25.9958



30.1478, 18.7936, 60.9384



35.4734, 18.7936, 15.7769

Sweetspot

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



9.4721, 18.7944, 3.6189



29.4769, 39.2517, 28.1931



17.9830, 23.1928, 3.5288



6.4829, 8.8956, 6.0094



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.



9.4721, 18.7944, 3.6189



16.6666, 33.1211, 6.2095



10.9788, 19.3971, 11.5532



4.9936, 5.6169, 5.4874



8.4202, 16.7007, 3.2377



0.0586, 0.1120, 0.0353

Inverse Universe

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



14.4535, 7.0308, 19.6628



25.4436, 12.3801, 34.4672



11.5295, 5.8612, 4.2652



5.2096, 5.1193, 6.1924



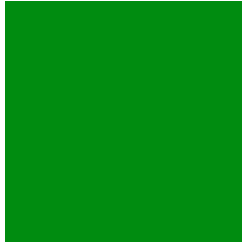
12.8466, 6.2488, 17.4945



0.0886, 0.0428, 0.1333

Previews

White Background



This preview shows how the XYZ color 9.4716, 18.7936, 3.6185 looks on a white background.

Color Contrast Check

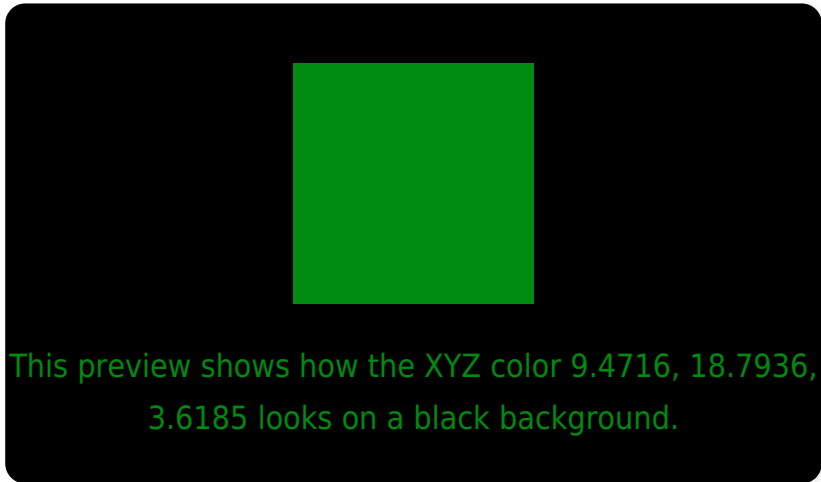
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.4716, 18.7936, 3.6185

Background



This preview shows how black text looks on a background with the XYZ color 9.4716, 18.7936, 3.6185.



This preview shows how white text looks on a background with the XYZ color 9.4716, 18.7936,

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

9.4716, 18.7936, 3.6185

Protanopia

16.7520, 18.6014, 2.9372

Deuteranopia

18.8837, 18.6342, 4.1148



Tritanopia

14.5940, 18.8182, 28.0624

Trichromacy



Original Color

9.4716, 18.7936, 3.6185



Protanomaly

11.4875, 17.1813, 3.0275



Deuteranomaly

12.0001, 16.6779, 3.6236



Tritanomaly

11.4357, 18.3068, 13.9972

Monochromacy



Original Color

9.4716, 18.7936, 3.6185



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.2079, 10.9733, 5.8758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4716, 18.7936, 3.6185 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(0, 140, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 16)  
}
```

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(0, 140, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 16) }
```

Border

The CSS property to change the border of an element to XYZ 9.4716, 18.7936, 3.6185 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(0, 140, 16) }
```


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

```
.border{ border-color:rgb(0, 140, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.4716, 18.7936, 3.6185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 16) }
```

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

```
.background{ background-color: rgb(0, 140,  
16) }
```

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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