

Converting Colors

XYZ(3.0634, 14.6178, 5.9401)

Have a look what the booklet for
XYZ(3.0634, 14.6178, 5.9401)
contains.

XYZ(9.4240, 17.8563, 6.1987)	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(9.4240, 17.8563,
6.1987)**

Conversions

Conversions Part 1

Format	Color
Hex	008834
RGB	0, 136, 52
RGB Percent	0%, 53%, 20%
CMY	1.0000, 0.4667, 0.7961
CMYK	1.00, 0.00, 0.62, 0.47
HSL	143°, 100%, 27%
HSV	143°, 100%, 53%
XYZ	9.4240, 17.8563, 6.1987
YIQ	85.7600, -54.0920, -54.9560

Conversions

Conversions Part 2

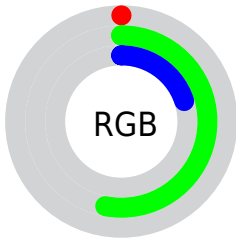
Format	Color
RYB	0, 98, 136
Decimal	34868
CIELab	49.32, -50.14, 35.68
CIELCh	49, 61.539, 144.559
Yxy	17.8563, 0.2815, 0.5334
Android (android.graphics.Color)	4278224948 (0xFF008834)
YUV	85.7600, -16.6437, -75.2115
Hunter-Lab	42.2567, -34.1406, 20.8824

Details

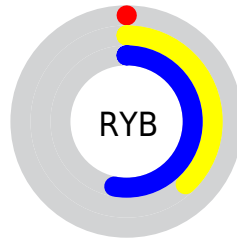
The XYZ color **9.4240, 17.8563, 6.1987** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.7541, 5.8746, 8.9023**, and the grayscale version is **8.8372, 9.2975, 10.1249**.

A 20% lighter version of the original color is **24.4594, 39.9950, 18.7426**, and **3.1703, 6.3406, 1.0568** is the 20% darker color. If you saturate the color by 10%, you get **9.4244, 17.8570, 6.1990**, and if you desaturate by 10%, it is **9.8058, 18.0298, 7.2942**.

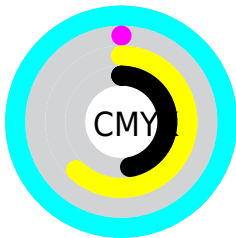
Distribution



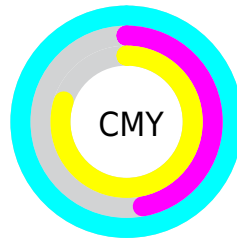
- Red (0%)
- Green (53%)
- Blue (20%)



- Red (0%)
- Yellow (38%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.4240, 17.8563, 6.1987 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 9.4240, 17.8563, 6.1987 by changing the saturation by 10% instead.


 9.4240, 17.8563,
6.1987


 9.4240, 17.8563,
6.1987


180.6511,
240.0598, 170.1988

 5.0781, 10.8469,
2.8955


 24.3659, 39.7923,
18.8267


 2.3284, 5.9640,
1.0415

 35.6927, 55.4877,
28.9886


 0.8091, 2.8232,
0.0000

 50.0771, 74.8472,
42.2738

 0.0000, 1.0401,
0.0000

 67.8844, 98.2551,
59.1009

 0.0000, 0.0000,
0.0000

 89.4802, 126.0960,
79.8884

 115.2296,

158.7541, 105.0549

145.4981,
196.6139, 135.0188

■ 9.4240, 17.8563,
6.1987

■ 9.4240, 17.8563,
6.1987

■ 9.4244, 17.8570,
6.1990

■ 9.8058, 18.0298,
7.2942

■ 10.3299, 18.2721,
8.5805

■ 11.0578, 18.6151,
10.0690

■ 12.0113, 19.0700,
11.7682

■ 13.2091, 19.6463,
13.6863

■ 14.6681, 20.3525,
15.8307

■ 16.4034, 21.1962,
18.2089

■ 18.4290, 22.1846,
20.8276

■ 20.7581, 23.3243,
23.6934

Harmonies

Analogous

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



12.7540, 17.8563, 2.4745



9.4240, 17.8563, 6.1987



8.1292, 17.8563, 16.5742

Triad

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



9.4240, 17.8563, 6.1987



15.9384, 17.8563, 71.5577



29.2391, 17.8563, 8.9766

Complementary

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



9.4240, 17.8563, 6.1987



11.7541, 5.8746, 8.9023

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.



30.6355, 17.8563, 22.6239



9.4240, 17.8563, 6.1987



22.0301, 17.8563, 65.2237

Square

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



9.4240, 17.8563, 6.1987



11.3021, 17.8563, 58.6829



27.7487, 17.8563, 44.3977



24.2773, 17.8563, 3.3206

Rectangle

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



9.4240, 17.8563, 6.1987



8.3187, 17.8563, 28.6049



27.7487, 17.8563, 44.3977



30.1823, 17.8563, 12.4809

Sweetspot

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



9.4244, 17.8570, 6.1991



28.6918, 37.2479, 31.8022



12.6548, 19.5939, 3.1151



6.3742, 8.4945, 7.0000



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.4244, 17.8570, 6.1991



16.5369, 31.4396, 10.5505



12.0668, 18.9140, 20.1136



5.0458, 5.6378, 5.7624



8.9238, 16.9021, 5.8895



0.0660, 0.1150, 0.0747

Inverse Universe

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



11.7541, 5.8746, 8.9023



20.6360, 10.3214, 15.2809



10.2641, 5.2786, 1.0560



5.1541, 5.0971, 5.9001



11.1290, 5.5617, 8.4496



0.0811, 0.0398, 0.0939

Previews

White Background



This preview shows how the XYZ color 9.4240, 17.8563, 6.1987 looks on a white background.

Color Contrast Check

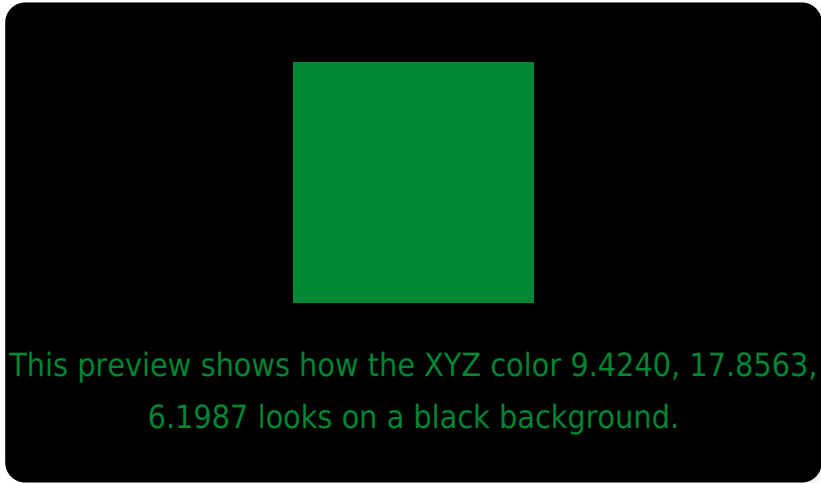
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.4240, 17.8563, 6.1987

Background



This preview shows how black text looks on a background with the XYZ color 9.4240, 17.8563, 6.1987.



This preview shows how white text looks on a background with the XYZ color 9.4240, 17.8563,

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

9.4240, 17.8563, 6.1987

Protanopia

16.0604, 17.6657, 5.1481

Deuteranopia

17.9755, 17.6139, 6.5901



Tritanopia

13.6981, 17.7980, 26.7581

Trichromacy



Original Color

9.4240, 17.8563, 6.1987



Protanomaly

11.3084, 16.4677, 5.3789



Deuteranomaly

11.8439, 15.9938, 6.2042



Tritanomaly

11.2962, 17.3669, 16.6667

Monochromacy



Original Color

9.4240, 17.8563, 6.1987



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

7.7619, 11.2073, 8.2327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4240, 17.8563, 6.1987 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, 136, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 52)  
}
```

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, 136, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 52) }
```

Border

The CSS property to change the border of an element to XYZ 9.4240, 17.8563, 6.1987 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, 136, 52) }
```


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

```
.border{ border-color:rgb(0, 136, 52) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.4240, 17.8563, 6.1987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 52) }
```

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

```
.background{ background-color: rgb(0, 136,  
52) }
```

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