

Converting Colors

XYZ(9.1794, 19.3735, 8.6231)

Have a look what the booklet for
XYZ(9.1794, 19.3735, 8.6231)
contains.

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Color

**XYZ(10.9864, 20.3518,
8.6594)**

Conversions

Conversions Part 1

Format	Color
Hex	009043
RGB	0, 144, 67
RGB Percent	0%, 56%, 26%
CMY	1.0000, 0.4353, 0.7372
CMYK	1.00, 0.00, 0.53, 0.44
HSL	148°, 100%, 28%
HSV	148°, 100%, 56%
XYZ	10.9864, 20.3518, 8.6594
YIQ	92.1660, -61.1070, -54.4750

Conversions

Conversions Part 2

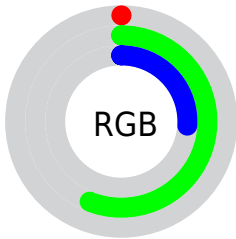
Format	Color
RYB	0, 98, 144
Decimal	36931
CIELab	52.23, -50.54, 31.63
CIELCh	52, 59.628, 147.959
Yxy	20.3518, 0.2747, 0.5088
Android (android.graphics.Color)	4278227011 (0xFF009043)
YUV	92.1660, -12.4068, -80.8296
Hunter-Lab	45.1130, -35.4774, 20.1984

Details

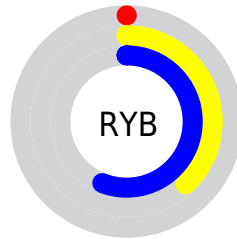
The XYZ color **10.9864, 20.3518, 8.6594** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.8419, 6.4656, 7.5935**, and the grayscale version is **10.2495, 10.7833, 11.7430**.

A 20% lighter version of the original color is **27.2905, 44.0160, 23.8872**, and **3.9447, 7.7013, 1.8947** is the 20% darker color. If you saturate the color by 10%, you get **10.9867, 20.3526, 8.6594**, and if you desaturate by 10%, it is **11.4209, 20.5479, 9.9675**.

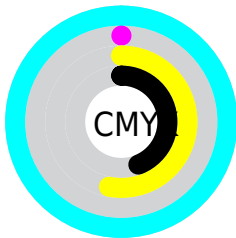
Distribution



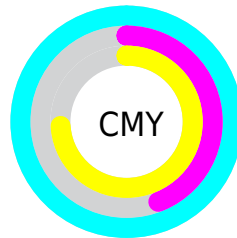
- Red (0%)
- Green (56%)
- Blue (26%)



- Red (0%)
- Yellow (38%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.9864, 20.3518, 8.6594 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 10.9864, 20.3518, 8.6594 by changing the saturation by 10% instead.


 10.9864, 20.3518,
8.6594


 10.9864, 20.3518,
8.6594


191.4844,
253.8133, 190.9399


 6.1249, 12.6510,
4.4259


 27.2682, 44.0062,
23.8085


 2.9626, 7.1887,
1.8618


 39.4192, 60.7287,
35.5612


 1.1340, 3.5804,
0.4683

 54.7308, 81.2271,
50.6574

 0.0533, 1.4417,
0.0000

 73.5683, 105.8860,
69.5157

 0.0000, 0.2472,
0.0000

 96.2970, 135.0896,
92.5545

 0.0000, 0.0000,
0.0000

 123.2824,

169.2224, 120.1925

154.8897,
208.6689, 152.8481

■ 10.9864, 20.3518,
8.6594

■ 10.9864, 20.3518,
8.6594

■ 10.9867, 20.3526,
8.6594

■ 11.4209, 20.5479,
9.9675

■ 12.0132, 20.8211,
11.4489

■ 12.8284, 21.2053,
13.1128

■ 13.8911, 21.7132,
14.9656

■ 15.2224, 22.3556,
17.0135

■ 16.8411, 23.1420,
19.2623

■ 18.7643, 24.0810,
21.7176

■ 21.0074, 25.1807,
24.3846

■ 23.5852, 26.4485,
27.2684

Harmonies

Analogous

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



14.3354, 20.3518, 3.7333



10.9864, 20.3518, 8.6594



9.8072, 20.3518, 20.9810

Triad

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



10.9864, 20.3518, 8.6594



18.9277, 20.3518, 75.7706



31.7081, 20.3518, 9.8188

Complementary

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



10.9864, 20.3518, 8.6594



12.8419, 6.4656, 7.5935

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.



33.6450, 20.3518, 23.3817



10.9864, 20.3518, 8.6594



25.4008, 20.3518, 67.2354

Square

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



10.9864, 20.3518, 8.6594



13.7492, 20.3518, 64.7512



31.1291, 20.3518, 45.2739



26.2812, 20.3518, 4.1115

Rectangle

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



10.9864, 20.3518, 8.6594



10.1714, 20.3518, 34.2572



31.1291, 20.3518, 45.2739



32.8333, 20.3518, 13.3094

Sweetspot

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



10.9869, 20.3526, 8.6599



32.8684, 42.3611, 38.0245



13.2151, 21.6184, 3.4764



7.2317, 9.5649, 8.3367



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.9869, 20.3526, 8.6599



19.2949, 35.8628, 14.8385



14.4749, 21.7478, 27.0277



5.4407, 6.0685, 6.2868



9.5788, 17.7274, 7.6020



0.1025, 0.1739, 0.1304

Inverse Universe

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



12.8419, 6.4656, 7.5935



22.5643, 11.3691, 12.9457



11.5416, 5.9454, 0.7462



5.5218, 5.4693, 6.2460



11.1944, 5.6348, 6.6748



0.1182, 0.0583, 0.1225

Previews

White Background



This preview shows how the XYZ color 10.9864, 20.3518, 8.6594 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 10.9864, 20.3518, 8.6594 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 10.9864, 20.3518, 8.6594

Background



This preview shows how black text looks on a background with the XYZ color 10.9864, 20.3518, 8.6594.



This preview shows how white text looks on a background with the XYZ color 10.9864, 20.3518,

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

10.9864, 20.3518, 8.6594

Protanopia

18.3398, 20.0599, 7.1803

Deuteranopia

20.4770, 20.0306, 9.2656



Tritanopia

15.6234, 20.5244, 30.3323

Trichromacy



Original Color

10.9864, 20.3518, 8.6594



Protanomaly

12.9440, 18.6177, 7.6140



Deuteranomaly

13.5506, 18.1205, 8.7446



Tritanomaly

13.1711, 20.1247, 20.0199

Monochromacy



Original Color

10.9864, 20.3518, 8.6594



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

9.0494, 12.9232, 10.2011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9864, 20.3518, 8.6594 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, 144, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 67)  
}
```

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, 144, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 67) }
```

Border

The CSS property to change the border of an element to XYZ 10.9864, 20.3518, 8.6594 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, 144, 67) }
```


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

```
.border{ border-color:rgb(0, 144, 67) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 144, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.9864, 20.3518, 8.6594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 67) }
```

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

```
.background{ background-color: rgb(0, 144,  
67) }
```

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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