

Converting Colors

XYZ(9.8836, 13.0655, 5.3613)

Have a look what the booklet for
XYZ(9.8836, 13.0655, 5.3613)
contains.

XYZ(9.9490, 13.1728, 5.3864) 3

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Color

**XYZ(9.9490, 13.1728,
5.3864)**

Conversions

Conversions Part 1	
Format	Color
Hex	566D35
RGB	86, 109, 53
RGB Percent	34%, 43%, 21%
CMY	0.6627, 0.5725, 0.7922
CMYK	0.21, 0.00, 0.51, 0.57
HSL	85°, 35%, 32%
HSV	85°, 51%, 43%
XYZ	9.9490, 13.1728, 5.3864
YIQ	95.7390, 4.2680, -22.2920

Conversions

Conversions Part 2

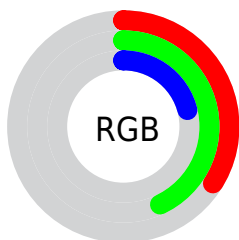
Format	Color
RYB	53, 109, 76
Decimal	5664053
CIELab	43.02, -18.77, 28.34
CIELCh	43, 33.993, 123.509
Yxy	13.1728, 0.3490, 0.4621
Android (android.graphics.Color)	4283854133 (0xFF566D35)
YUV	95.7390, -21.0703, -8.5411
Hunter-Lab	36.2944, -14.5847, 16.6069

Details

The XYZ color **9.9490, 13.1728, 5.3864** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.0145, 5.1872, 15.1004**, and the grayscale version is **11.1040, 11.6822, 12.7219**.

A 20% lighter version of the original color is **25.4104, 31.7477, 17.1006**, and **2.5064, 3.7649, 0.7956** is the 20% darker color. If you saturate the color by 10%, you get **9.3270, 12.8783, 4.1942**, and if you desaturate by 10%, it is **10.6546, 13.5046, 6.8810**.

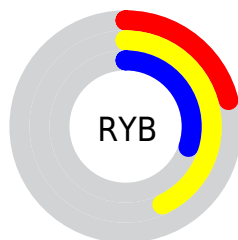
Distribution



Red (34%)

Green (43%)

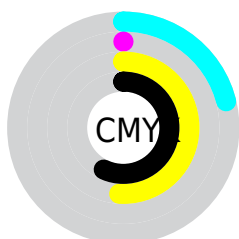
Blue (21%)



Red (21%)

Yellow (43%)

Blue (30%)

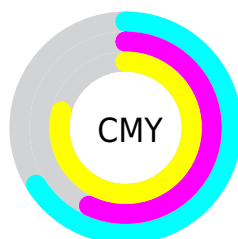


Cyan (21%)

Magenta (0%)

Yellow (51%)

Black (57%)



Cyan (66%)


Magenta (57%)


Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9490, 13.1728, 5.3864 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 9.9490, 13.1728, 5.3864 by changing the saturation by 10% instead.


 9.9490, 13.1728,
5.3864


 9.9490, 13.1728,
5.3864


184.3689,
212.0222, 162.5739


 5.4272, 7.5476,
2.4130


 25.3501, 31.6139,
17.0985


 2.5373, 3.8069,
0.7935

 36.9600, 45.1986,
26.6743


 0.9141, 1.5661,
0.0000

 51.6634, 62.2053,
39.2880

 0.0000, 0.3346,
0.0000

 69.8255, 83.0183,
55.3582

 0.0000, 0.0000,
0.0000

 91.8118, 108.0222,
75.3033

 117.9876,

137.6011, 99.5419

148.7181,
172.1397, 128.4926

■ 9.9490, 13.1728,
5.3864

■ 9.9490, 13.1728,
5.3864

■ 9.3270, 12.8783,
4.1942

■ 10.6546, 13.5046,
6.8810

■ 8.7831, 12.6175,
3.2828

■ 11.4468, 13.8737,
8.6957

■ 8.3129, 12.3891,
2.6291

■ 12.3296, 14.2820,
10.8482

■ 7.9106, 12.1907,
2.2060

■ 13.3065, 14.7312,
13.3545

■ 7.5982, 12.0356,
1.9226

■ 14.3808, 15.2225,
16.2294

■ 15.5556, 15.7572,
19.4871

■ 16.8337, 16.3366,
23.1409

■ 18.2181, 16.9618,
27.2036

■ 19.7113, 17.6339,
31.6873

Harmonies

Analogous

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



12.2157, 13.1728, 4.2481



9.9490, 13.1728, 5.3864



8.5443, 13.1728, 8.8393

Triad

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



9.9490, 13.1728, 5.3864



10.4124, 13.1728, 31.4366



18.2276, 13.1728, 13.4811

Complementary

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



9.9490, 13.1728, 5.3864



7.0145, 5.1872, 15.1004

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.



17.5708, 13.1728, 21.7572



9.9490, 13.1728, 5.3864



12.8300, 13.1728, 34.0046

Square

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



9.9490, 13.1728, 5.3864



8.7846, 13.1728, 23.8313



15.5005, 13.1728, 29.9756



17.1886, 13.1728, 7.7812

Rectangle

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



9.9490, 13.1728, 5.3864



8.1664, 13.1728, 12.7786



15.5005, 13.1728, 29.9756



18.1983, 13.1728, 16.0300

Sweetspot

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



9.9493, 13.1734, 5.3867



23.0988, 26.0432, 22.0210



9.4931, 8.5953, 4.5271



5.3114, 6.0311, 4.9606



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.9493, 13.1734, 5.3867



16.4600, 22.9445, 7.0838



7.8917, 12.1126, 5.2904



3.2188, 3.5246, 3.3281



8.8589, 14.0621, 2.2473



44.1365, 71.1353, 11.4043

Inverse Universe

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



7.0145, 5.1872, 15.1004



10.5524, 6.8455, 26.6724



9.6735, 6.5580, 15.2248



3.0552, 3.0802, 3.8684



4.4561, 1.9242, 17.0588



21.7680, 9.3214, 86.8781

Previews

White Background



This preview shows how the XYZ color 9.9490, 13.1728, 5.3864 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



This preview shows how the XYZ color 9.9490, 13.1728, 5.3864 looks on a black 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

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

XYZ 9.9490, 13.1728, 5.3864

Background



This preview shows how black text looks on a background with the XYZ color 9.9490, 13.1728, 5.3864.



This preview shows how white text looks on a background with the XYZ color 9.9490, 13.1728,

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

9.9490, 13.1728, 5.3864

Protanopia

11.9333, 12.9911, 5.0106

Deuteranopia

13.3007, 13.1200, 5.5728



Tritanopia

12.3356, 13.2279, 16.9420

Trichromacy



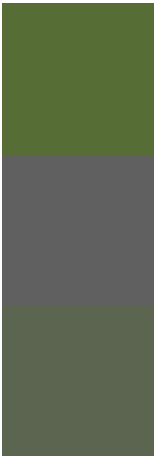
Original Color
9.9490, 13.1728, 5.3864

Protanomaly
11.1637, 13.0321, 5.1759

Deuteranomaly
11.7737, 12.8982, 5.4835

Tritanomaly
11.2114, 13.0655, 11.6038

Monochromacy



Original Color
9.9490, 13.1728, 5.3864

Achromatopsia
11.1181, 11.6971, 12.7381

Achromatomaly
10.5153, 12.1619, 9.3827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9490, 13.1728, 5.3864 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(86, 109, 53)` looks like.

```
.text, #text, p{  
    color:rgb(86, 109, 53)  
}
```

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(86, 109, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 109, 53) }
```

Border

The CSS property to change the border of an element to XYZ 9.9490, 13.1728, 5.3864 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(86, 109, 53) }
```


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

```
.border{ border-color:rgb(86, 109, 53) }
```

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

Here you see how a box with a 4 pixel rgb(86, 109, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 109, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 109, 53);  
box-shadow:4px 4px 4px 4px rgb(86, 109,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9490, 13.1728, 5.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 109, 53) }
```

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

```
.background{ background-color: rgb(86, 109,  
53) }
```

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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