

Converting Colors

XYZ(9.8344, 14.2638, 13.5441)

Have a look what the booklet for
XYZ(9.8344, 14.2638, 13.5441)
contains.

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Color

**XYZ(9.8344, 14.2638,
13.5441)**

Conversions

Conversions Part 1

Format	Color
Hex	327561
RGB	50, 117, 97
RGB Percent	20%, 46%, 38%
CMY	0.8039, 0.5412, 0.6196
CMYK	0.57, 0.00, 0.17, 0.54
HSL	162°, 40%, 33%
HSV	162°, 57%, 46%
XYZ	9.8344, 14.2638, 13.5441
YIQ	94.6870, -33.5120, -20.4240

Conversions

Conversions Part 2

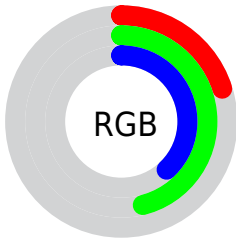
Format	Color
RYB	50, 89, 117
Decimal	3306849
CIELab	44.61, -26.51, 4.66
CIELCh	45, 26.919, 170.030
Yxy	14.2638, 0.2613, 0.3789
Android (android.graphics.Color)	4281496929 (0xFF327561)
YUV	94.6870, 1.1403, -39.1905
Hunter-Lab	37.7674, -19.6128, 5.1747




Details

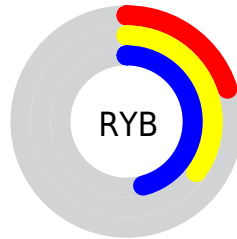
The XYZ color **9.8344, 14.2638, 13.5441** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.5828, 6.5058, 6.5457**, and the grayscale version is **10.8059, 11.3687, 12.3805**.




A 20% lighter version of the original color is **25.3135, 33.7711, 33.2013**, and **2.6647, 4.3733, 3.8356** is the 20% darker color. If you saturate the color by 10%, you get **9.1705, 13.9403, 12.6817**, and if you desaturate by 10%, it is **10.6538, 14.6674, 14.4518**.

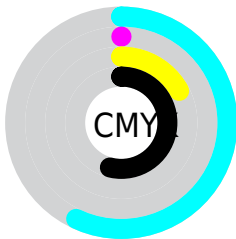
Distribution







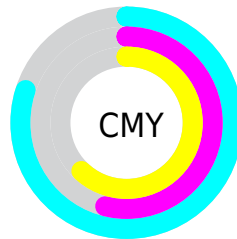
-  Red (20%)
-  Green (46%)
-  Blue (38%)






-  Red (20%)
-  Yellow (35%)
-  Blue (46%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (17%)
-  Black (54%)



-  Cyan (80%)
-  Magenta (54%)
-  Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8344, 14.2638, 13.5441 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 9.8344, 14.2638, 13.5441 by changing the saturation by 10% instead.

■ 9.8344, 14.2638,
13.5441

■ 9.8344, 14.2638,
13.5441

183.5645,
218.8658, 225.7048

■ 5.3507, 8.3044,
7.6692

■ 25.1361, 33.5564,
32.9833

■ 2.4913, 4.2903,
3.7993

■ 36.6848, 47.6583,
47.3846

■ 0.8909, 1.8373,
1.5159

■ 51.3192, 65.2432,
65.4651

■ 0.0000, 0.5102,
0.2297

■ 69.4047, 86.6954,
87.6434

■ 0.0000, 0.0000,
0.0000

■ 91.3066, 112.3994,
114.3380

■ 117.3903,

142.7396, 145.9674

148.0211,
178.1002, 182.9502

■ 9.8344, 14.2638,
13.5441

■ 9.8344, 14.2638,
13.5441

■ 9.1705, 13.9403,
12.6817

■ 10.6538, 14.6674,
14.4518

■ 8.6492, 13.6892,
11.8627

■ 11.6379, 15.1546,
15.4049

■ 8.2578, 13.5042,
11.0862

■ 12.7964, 15.7309,
16.4045

■ 7.9641, 13.3687,
10.3502

■ 14.1382, 16.4008,
17.4515

■ 7.8873, 13.3334,
10.1552

■ 15.6712, 17.1685,
18.5467

■ 17.4032, 18.0378,
19.6909

■ 19.3413, 19.0125,
20.8849

■ 21.4923, 20.0961,
22.1294

■ 23.8628, 21.2919,
23.4252

Harmonies

Analogous

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



10.5924, 14.2638, 9.0261



9.8344, 14.2638, 13.5441



9.9888, 14.2638, 20.0152

Triad

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



9.8344, 14.2638, 13.5441



15.0440, 14.2638, 29.7568



16.4317, 14.2638, 8.0289

Complementary

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



9.8344, 14.2638, 13.5441



9.5828, 6.5058, 6.5457

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.



17.8882, 14.2638, 11.7719



9.8344, 14.2638, 13.5441



17.0295, 14.2638, 24.5874

Square

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



9.8344, 14.2638, 13.5441



12.8446, 14.2638, 30.6050



18.1180, 14.2638, 17.7030



14.2959, 14.2638, 6.4552

Rectangle

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



9.8344, 14.2638, 13.5441



10.5948, 14.2638, 24.6004



18.1180, 14.2638, 17.7030



17.0262, 14.2638, 9.0194

Sweetspot

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



9.8348, 14.2644, 13.5444



25.2711, 29.3453, 31.2155



9.4705, 14.2593, 5.2711



5.7233, 6.7035, 7.1116



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.8348, 14.2644, 13.5444



16.0644, 24.7895, 22.1834



9.4369, 11.7834, 18.6073



3.7390, 4.1375, 4.4593



8.6828, 14.6871, 11.1518



41.9216, 71.4159, 52.2858

Inverse Universe

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



9.5828, 6.5058, 6.5457



15.5800, 9.4036, 8.3807



9.7121, 7.6122, 3.9754



3.7248, 3.7172, 4.0775



8.4096, 4.2975, 2.0989



40.6450, 20.8081, 8.4597

Previews

White Background



This preview shows how the XYZ color 9.8344, 14.2638, 13.5441 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 9.8344, 14.2638, 13.5441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

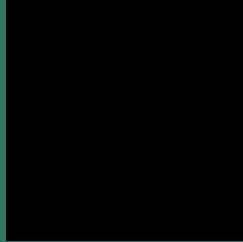
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8344, 14.2638, 13.5441

Background



This preview shows how black text looks on a background with the XYZ color 9.8344, 14.2638, 13.5441.



This preview shows how white text looks on a background with the XYZ color 9.8344, 14.2638, 13.5441.

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

9.8344, 14.2638, 13.5441

Protanopia

13.3703, 14.1735, 11.9286

Deuteranopia

14.2900, 14.0094, 14.0075



Tritanopia

11.2839, 14.1701, 20.8793

Trichromacy



Original Color

9.8344, 14.2638, 13.5441

Protanomaly

11.4689, 13.8023, 12.4156

Deuteranomaly

12.0240, 13.7434, 13.8234

Tritanomaly

10.6855, 14.0903, 18.0761

Monochromacy



Original Color

9.8344, 14.2638, 13.5441

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.1860, 12.2073, 12.8857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8344, 14.2638, 13.5441 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(50, 117, 97)` looks like.

```
.text, #text, p{  
    color:rgb(50, 117, 97)  
}
```

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(50, 117, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 117, 97) }
```

Border

The CSS property to change the border of an element to XYZ 9.8344, 14.2638, 13.5441 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(50, 117, 97) }
```


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

```
.border{ border-color:rgb(50, 117, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 117, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 117, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 117, 97);  
box-shadow:4px 4px 4px 4px rgb(50, 117,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8344, 14.2638, 13.5441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 117, 97) }
```

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

```
.background{ background-color: rgb(50, 117,  
97) }
```

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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