

Converting Colors

XYZ(8.7430, 13.5053, 10.4708)

Have a look what the booklet for
XYZ(8.7430, 13.5053, 10.4708)
contains.

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Color

**XYZ(8.6858, 13.3938,
10.5150)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7354
RGB	42, 115, 84
RGB Percent	16%, 45%, 33%
CMY	0.8353, 0.5490, 0.6706
CMYK	0.63, 0.00, 0.27, 0.55
HSL	155°, 46%, 31%
HSV	155°, 63%, 45%
XYZ	8.6858, 13.3938, 10.5150
YIQ	89.6390, -33.5570, -25.1170

Conversions

Conversions Part 2

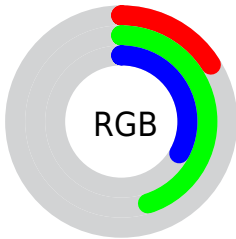
Format	Color
R_{YB}	42, 88, 115
Decimal	2782036
CIE _{Lab}	43.35, -30.61, 10.57
CIE _{LCh}	43, 32.383, 160.948
Yxy	13.3938, 0.2665, 0.4109
Android (android.graphics.Color)	4280972116 (0xFF2A7354)
YUV	89.6390, -2.7800, -41.7794
Hunter-Lab	36.5975, -21.6818, 8.5834

Details

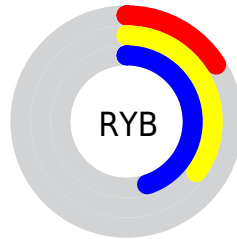
The XYZ color **8.6858, 13.3938, 10.5150** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.1012, 5.7821, 6.9401**, and the grayscale version is **9.6491, 10.1516, 11.0551**.

A 20% lighter version of the original color is **23.0250, 32.1594, 27.5481**, and **2.3144, 4.0429, 2.5778** is the 20% darker color. If you saturate the color by 10%, you get **8.0967, 13.1118, 9.5237**, and if you desaturate by 10%, it is **9.4240, 13.7518, 11.5836**.

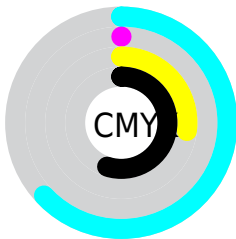
Distribution



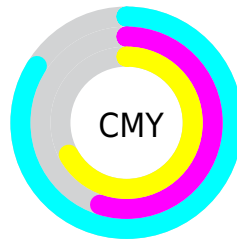
- Red (16%)
- Green (45%)
- Blue (33%)



- Red (16%)
- Yellow (35%)
- Blue (45%)



- Cyan (63%)
- Magenta (0%)
- Yellow (27%)
- Black (55%)



- Cyan (84%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6858, 13.3938, 10.5150 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 8.6858, 13.3938, 10.5150 by changing the saturation by 10% instead.

■ 8.6858, 13.3938,
10.5150

■ 8.6858, 13.3938,
10.5150

175.2735,
213.4263, 204.9258

■ 4.5923, 7.7003,
5.6317

■ 22.9651, 32.0095,
27.3826

■ 2.0424, 3.9038,
2.5573

■ 33.8816, 45.7004,
40.2039

■ 0.6576, 1.6199,
0.8703

■ 47.8031, 62.8259,
56.5083

■ 0.0000, 0.3709,
0.0000

■ 65.0950, 83.7705,
76.7144

■ 0.0000, 0.0000,
0.0000

■ 86.1226, 108.9184,
101.2406

■ 111.2513,

138.6540, 130.5056

140.8465,
173.3619, 164.9278

■ 8.6858, 13.3938,
10.5150

■ 8.6858, 13.3938,
10.5150

■ 8.0967, 13.1118,
9.5237

■ 9.4240, 13.7518,
11.5836

■ 7.6435, 12.8980,
8.6066

■ 10.3211, 14.1898,
12.7303

■ 7.3099, 12.7444,
7.7620

■ 11.3871, 14.7133,
13.9572

■ 7.1192, 12.6572,
7.2476

■ 12.6309, 15.3268,
15.2662

■ 14.0608, 16.0347,
16.6587

■ 15.6846, 16.8407,
18.1365

■ 17.5096, 17.7488,
19.7010

■ 19.5426, 18.7624,
21.3538

■ 21.7902, 19.8849,
23.0962

Harmonies

Analogous

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



9.8177, 13.3938, 6.4267



8.6858, 13.3938, 10.5150



8.5495, 13.3938, 17.3743

Triad

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



8.6858, 13.3938, 10.5150



13.6708, 13.3938, 32.8375



16.7420, 13.3938, 7.2615

Complementary

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



8.6858, 13.3938, 10.5150



9.1012, 5.7821, 6.9401

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.



18.0911, 13.3938, 12.1089



8.6858, 13.3938, 10.5150



16.1688, 13.3938, 27.7395

Square

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



8.6858, 13.3938, 10.5150



11.2167, 13.3938, 31.9753



17.8685, 13.3938, 19.5858



14.3745, 13.3938, 5.0210

Rectangle

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



8.6858, 13.3938, 10.5150



9.0181, 13.3938, 22.9253



17.8685, 13.3938, 19.5858



17.3429, 13.3938, 8.5593

Sweetspot

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



8.6862, 13.3943, 10.5153



23.5951, 27.9283, 28.3100



9.3449, 13.8705, 4.3754



5.4921, 6.5950, 6.6183



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.



8.6862, 13.3943, 10.5153



14.1026, 23.2908, 16.2948



9.6401, 12.9112, 18.2043



3.7207, 4.1302, 4.3630



8.1276, 14.4650, 8.2279



39.1715, 70.3159, 37.8036

Inverse Universe

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



9.1012, 5.7821, 6.9401



14.9212, 8.4457, 9.3685



8.4997, 5.8347, 2.8688



3.7425, 3.7243, 4.1708



8.7022, 4.4146, 3.6398



41.9965, 21.3487, 15.5768

Previews

White Background



This preview shows how the XYZ color 8.6858, 13.3938, 10.5150 looks on a white background.

Color Contrast Check

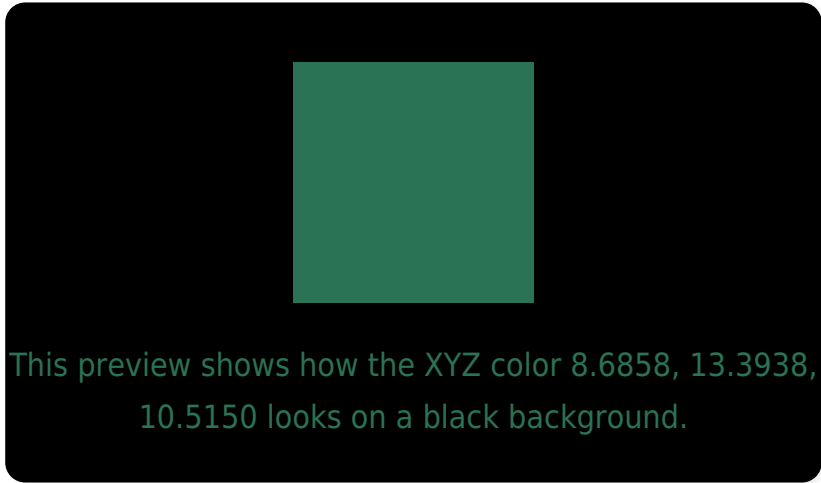
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 8.6858, 13.3938, 10.5150

Background



This preview shows how black text looks on a background with the XYZ color 8.6858, 13.3938, 10.5150.

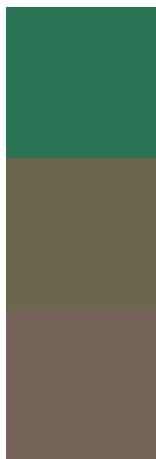


This preview shows how white text looks on a background with the XYZ color 8.6858, 13.3938,

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

8.6858, 13.3938, 10.5150

Protanopia

12.4332, 13.3040, 9.1204

Deuteranopia

13.4653, 13.2219, 11.0749



Tritanopia

10.4813, 13.2960, 19.4667

Trichromacy



Original Color

8.6858, 13.3938, 10.5150

Protanomaly

10.4520, 13.0259, 9.5528

Deuteranomaly

10.8871, 12.7624, 10.9064

Tritanomaly

9.7111, 13.3071, 15.6924

Monochromacy



Original Color

8.6858, 13.3938, 10.5150

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.9709, 11.0447, 10.8915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6858, 13.3938, 10.5150 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(42, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(42, 115, 84)  
}
```

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(42, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 115, 84) }
```

Border

The CSS property to change the border of an element to XYZ 8.6858, 13.3938, 10.5150 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(42, 115, 84) }
```


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

```
.border{ border-color:rgb(42, 115, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 115, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(42, 115,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6858, 13.3938, 10.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 115, 84) }
```

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

```
.background{ background-color: rgb(42, 115,  
84) }
```

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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