

Converting Colors

XYZ(8.6842, 13.4465, 8.0990)

Have a look what the booklet for
XYZ(8.6842, 13.4465, 8.0990)
contains.

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Color

**XYZ(8.6842, 13.4465,
8.0990)**

Conversions

Conversions Part 1

Format	Color
Hex	347347
RGB	52, 115, 71
RGB Percent	20%, 45%, 28%
CMY	0.7961, 0.5490, 0.7216
CMYK	0.55, 0.00, 0.38, 0.55
HSL	138°, 38%, 33%
HSV	138°, 55%, 45%
XYZ	8.6842, 13.4465, 8.0990
YIQ	91.1470, -23.4240, -27.0400

Conversions

Conversions Part 2

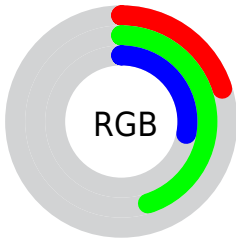
Format	Color
RYB	52, 100, 115
Decimal	3437383
CIELab	43.43, -30.96, 18.35
CIELCh	43, 35.988, 149.341
Yxy	13.4465, 0.2873, 0.4448
Android (android.graphics.Color)	4281627463 (0xFF347347)
YUV	91.1470, -9.9325, -34.3319
Hunter-Lab	36.6695, -21.8985, 12.5735

Details

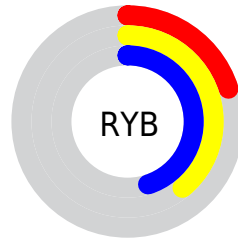
The XYZ color **8.6842, 13.4465, 8.0990** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.4099, 6.9455, 11.8584**, and the grayscale version is **10.0033, 10.5243, 11.4609**.

A 20% lighter version of the original color is **23.1017, 32.3044, 22.7871**, and **2.1460, 3.9756, 1.6912** is the 20% darker color. If you saturate the color by 10%, you get **7.9220, 13.0818, 6.8057**, and if you desaturate by 10%, it is **9.6255, 13.9003, 9.5792**.

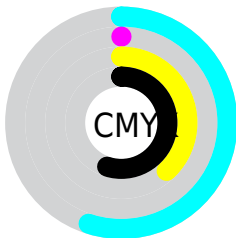
Distribution



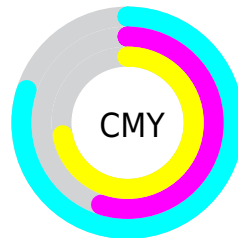
- Red (20%)
- Green (45%)
- Blue (28%)



- Red (20%)
- Yellow (39%)
- Blue (45%)



- Cyan (55%)
- Magenta (0%)
- Yellow (38%)
- Black (55%)





- Cyan (80%)
- Magenta (55%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.6842, 13.4465, 8.0990 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 8.6842, 13.4465, 8.0990 by changing the saturation by 10% instead.

 8.6842, 13.4465,
8.0990


 8.6842, 13.4465,
8.0990


175.2617,
213.7597, 186.4700


 4.5912, 7.7367,
4.0697


 22.9620, 32.1036,
22.7017


 2.0417, 3.9269,
1.6636

 33.8776, 45.8198,
34.1121


 0.6572, 1.6328,
0.3356


 47.7981, 62.9735,
48.8200

 0.0000, 0.3796,
0.0000

 65.0889, 83.9492,
67.2438

 0.0000, 0.0000,
0.0000

 86.1152, 109.1313,
89.8022

 111.2426,

138.9042, 116.9137

140.8363,
173.6522, 148.9967

■ 8.6842, 13.4465,
8.0990

■ 8.6842, 13.4465,
8.0990

■ 7.9220, 13.0818,
6.8057

■ 9.6255, 13.9003,
9.5792

■ 7.3258, 12.7985,
5.6909

■ 10.7556, 14.4471,
11.2524

■ 6.8824, 12.5904,
4.7469

■ 12.0849, 15.0923,
13.1257

■ 6.5702, 12.4464,
3.9647

■ 13.6227, 15.8406,
15.2053

■ 6.4298, 12.3815,
3.6167

■ 15.3775, 16.6963,
17.4974

■ 17.3576, 17.6636,
20.0078

■ 19.5707, 18.7462,
22.7420

■ 22.0240, 19.9479,
25.7055

■ 24.7248, 21.2722,
28.9035

Harmonies

Analogous

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



10.3185, 13.4465, 4.8900



8.6842, 13.4465, 8.0990



8.1154, 13.4465, 14.4641

Triad

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



8.6842, 13.4465, 8.0990



12.7186, 13.4465, 36.1192



18.0748, 13.4465, 8.3080

Complementary

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



8.6842, 13.4465, 8.0990



10.4099, 6.9455, 11.8584

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.



18.9590, 13.4465, 14.8192



8.6842, 13.4465, 8.0990



15.6059, 13.4465, 32.6270

Square

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



8.6842, 13.4465, 8.0990



10.2257, 13.4465, 32.3250



17.9968, 13.4465, 24.0009



15.7289, 13.4465, 4.9760

Rectangle

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



8.6842, 13.4465, 8.0990



8.3418, 13.4465, 20.3676



17.9968, 13.4465, 24.0009



18.5668, 13.4465, 10.1030

Sweetspot

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



8.6845, 13.4471, 8.0993



23.9162, 28.1322, 26.5917



11.5854, 15.0023, 5.5338



5.5971, 6.6585, 6.1986



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.



8.6845, 13.4471, 8.0993



13.8403, 23.2600, 11.5647



9.9654, 13.9594, 14.8443



3.6819, 4.1147, 4.1588



7.3414, 14.1506, 4.0878



35.4373, 68.8222, 18.1397

Inverse Universe

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



10.4099, 6.9455, 11.8584



17.2719, 10.2761, 19.0024



9.2411, 6.4780, 5.7038



3.7818, 3.7400, 4.3779



9.7418, 4.8304, 9.1143



47.0802, 23.3822, 42.3470

Previews

White Background



This preview shows how the XYZ color 8.6842, 13.4465, 8.0990 looks on a white background.

Color Contrast Check

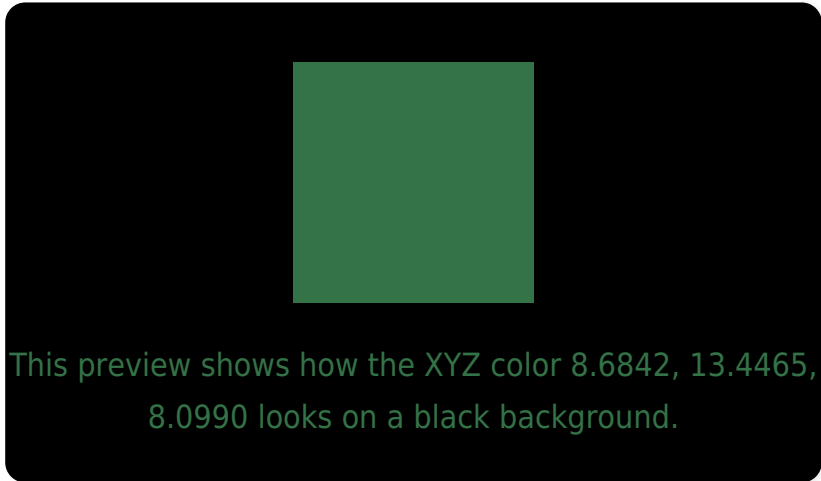
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.6842, 13.4465, 8.0990

Background



This preview shows how black text looks on a background with the XYZ color 8.6842, 13.4465, 8.0990.



This preview shows how white text looks on a background with the XYZ color 8.6842, 13.4465, 8.0990.

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

8.6842, 13.4465, 8.0990

Protanopia

12.2903, 13.2756, 7.0689

Deuteranopia

13.5228, 13.3083, 8.5126



Tritanopia

10.8530, 13.3353, 19.1415

Trichromacy



Original Color

8.6842, 13.4465, 8.0990

Protanomaly

10.5175, 13.1064, 7.4443

Deuteranomaly

11.0102, 12.8818, 8.3847

Tritanomaly

9.8969, 13.2691, 14.3515

Monochromacy



Original Color

8.6842, 13.4465, 8.0990

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.2180, 11.3322, 10.0890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6842, 13.4465, 8.0990 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(52, 115, 71)` looks like.

```
.text, #text, p{  
    color:rgb(52, 115, 71)  
}
```

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(52, 115, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 115, 71) }
```

Border

The CSS property to change the border of an element to XYZ 8.6842, 13.4465, 8.0990 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(52, 115, 71) }
```


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

```
.border{ border-color:rgb(52, 115, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 115, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 115, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 115, 71);  
box-shadow:4px 4px 4px 4px rgb(52, 115,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6842, 13.4465, 8.0990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 115, 71) }
```

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

```
.background{ background-color: rgb(52, 115,  
71) }
```

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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