

Converting Colors

XYZ(8.6985, 12.8472, 5.6315)

Have a look what the booklet for
XYZ(8.6985, 12.8472, 5.6315)
contains.

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Color

**XYZ(8.6888, 12.8380,
5.6345)**

Conversions

Conversions Part 1

Format	Color
Hex	436F37
RGB	67, 111, 55
RGB Percent	26%, 44%, 22%
CMY	0.7373, 0.5647, 0.7843
CMYK	0.40, 0.00, 0.50, 0.56
HSL	107°, 34%, 33%
HSV	107°, 50%, 44%
XYZ	8.6888, 12.8380, 5.6345
YIQ	91.4600, -8.2480, -26.7440

Conversions

Conversions Part 2

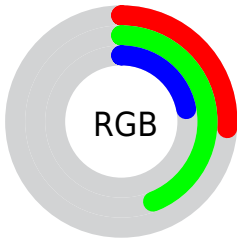
Format	Color
RYB	55, 111, 99
Decimal	4419383
CIELab	42.52, -26.99, 26.36
CIELCh	43, 37.732, 135.677
Yxy	12.8380, 0.3199, 0.4727
Android (android.graphics.Color)	4282609463 (0xFF436F37)
YUV	91.4600, -17.9748, -21.4514
Hunter-Lab	35.8302, -19.4166, 15.7574

Details

The XYZ color **8.6888, 12.8380, 5.6345** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.3816, 6.5331, 15.8061**, and the grayscale version is **10.0903, 10.6157, 11.5605**.

A 20% lighter version of the original color is **23.0166, 31.0252, 17.6073**, and **2.0580, 3.6939, 0.8630** is the 20% darker color. If you saturate the color by 10%, you get **7.8987, 12.4584, 4.3616**, and if you desaturate by 10%, it is **9.6296, 13.2891, 7.2276**.

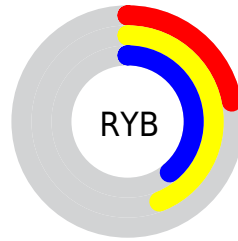
Distribution



Red (26%)

Green (44%)

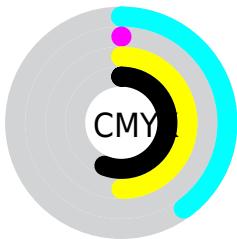
Blue (22%)



Red (22%)

Yellow (44%)

Blue (39%)

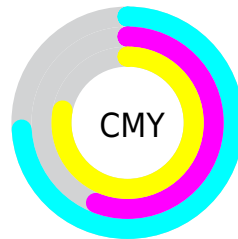


Cyan (40%)

Magenta (0%)

Yellow (50%)

Black (56%)



Cyan (74%)

Magenta (56%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6888, 12.8380, 5.6345 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 8.6888, 12.8380, 5.6345 by changing the saturation by 10% instead.

■ 8.6888, 12.8380,
5.6345

■ 8.6888, 12.8380,
5.6345

175.2958,
209.8768, 164.9545

■ 4.5942, 7.3171,
2.5590

■ 22.9708, 31.0124,
17.6318

■ 2.0435, 3.6612,
0.8712

■ 33.8890, 44.4347,
27.3906

■ 0.6582, 1.4859,
0.0000

■ 47.8124, 61.2597,
40.2143

■ 0.0000, 0.2788,
0.0000

■ 65.1065, 81.8715,
56.5214

■ 0.0000, 0.0000,
0.0000

■ 86.1365, 106.6548,
76.7304

■ 111.2678,

135.9938, 101.2599

140.8657,
170.2730, 130.5284

■ 8.6888, 12.8380,
5.6345

■ 8.6888, 12.8380,
5.6345

■ 7.8987, 12.4584,
4.3616

■ 9.6296, 13.2891,
7.2276

■ 7.2501, 12.1450,
3.3864

■ 10.7275, 13.8135,
9.1595

■ 6.7345, 11.8942,
2.6849

■ 11.9898, 14.4148,
11.4488

■ 6.3420, 11.7015,
2.2290

■ 13.4229, 15.0962,
14.1120

■ 6.0563, 11.5609,
1.9123

■ 15.0332, 15.8604,
17.1649

■ 16.8264, 16.7102,
20.6222

■ 18.8080, 17.6480,
24.4981

■ 20.9835, 18.6764,
28.8059

■ 23.3579, 19.7977,
33.5583

Harmonies

Analogous

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



10.7814, 12.8380, 3.6631



8.6888, 12.8380, 5.6345



7.6282, 12.8380, 10.4465

Triad

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



8.6888, 12.8380, 5.6345



10.8969, 12.8380, 35.3453



18.2703, 12.8380, 10.1545

Complementary

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



8.6888, 12.8380, 5.6345



9.3816, 6.5331, 15.8061

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.



18.3142, 12.8380, 18.2283



8.6888, 12.8380, 5.6345



13.7425, 12.8380, 35.1676

Square

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



8.6888, 12.8380, 5.6345



8.7620, 12.8380, 28.4679



16.5540, 12.8380, 28.0489



16.4421, 12.8380, 5.4927

Rectangle

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



8.6888, 12.8380, 5.6345



7.5238, 12.8380, 15.5878



16.5540, 12.8380, 28.0489



18.5028, 12.8380, 12.4837

Sweetspot

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



8.6891, 12.8385, 5.6348



22.7236, 26.4079, 22.8187



11.6949, 12.5544, 5.4215



5.3595, 6.2969, 5.2970



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.6891, 12.8385, 5.6348



13.8651, 22.1738, 7.3792



8.3935, 12.6349, 7.9356



3.4058, 3.7945, 3.6262



7.1163, 13.6123, 2.2524



34.8360, 67.4927, 11.1913

Inverse Universe

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



9.3816, 6.5331, 15.8061



15.2418, 9.4130, 27.9433



9.9938, 6.9409, 11.6718



3.4479, 3.4192, 4.2325



8.0146, 3.7411, 18.0213



39.1810, 18.2529, 89.7372

Previews

White Background



This preview shows how the XYZ color 8.6888, 12.8380, 5.6345 looks on a white background.

Color Contrast Check

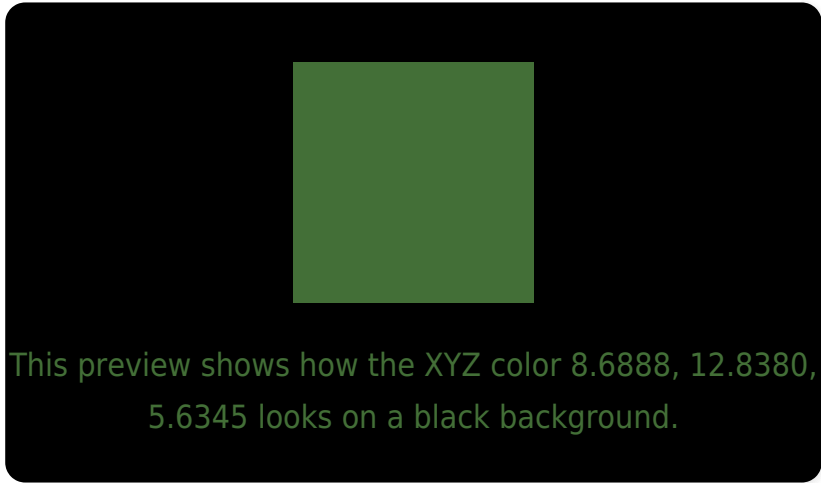
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.6888, 12.8380, 5.6345

Background



This preview shows how black text looks on a background with the XYZ color 8.6888, 12.8380, 5.6345.



This preview shows how white text looks on a background with the XYZ color 8.6888, 12.8380,

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

8.6888, 12.8380, 5.6345

Protanopia

11.5851, 12.6684, 4.9666

Deuteranopia

12.7668, 12.5651, 5.8901



Tritanopia

11.0928, 12.8732, 17.5229

Trichromacy



Original Color

8.6888, 12.8380, 5.6345

Protanomaly

10.1862, 12.5282, 5.1301

Deuteranomaly

10.7842, 12.3796, 5.8241

Tritanomaly

9.9371, 12.7046, 12.0537

Monochromacy



Original Color

8.6888, 12.8380, 5.6345

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.2225, 11.0793, 8.8602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6888, 12.8380, 5.6345 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(67, 111, 55)` looks like.

```
.text, #text, p{  
    color:rgb(67, 111, 55)  
}
```

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(67, 111, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 111, 55) }
```

Border

The CSS property to change the border of an element to XYZ 8.6888, 12.8380, 5.6345 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(67, 111, 55) }
```


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

```
.border{ border-color:rgb(67, 111, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 111, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 111, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 111, 55);  
box-shadow:4px 4px 4px 4px rgb(67, 111,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6888, 12.8380, 5.6345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 111, 55) }
```

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

```
.background{ background-color: rgb(67, 111,  
55) }
```

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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