

Converting Colors

XYZ(8.7706, 13.6555, 6.9047)

Have a look what the booklet for
XYZ(8.7706, 13.6555, 6.9047)
contains.

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Color

**XYZ(8.7735, 13.6904,
6.8827)**

Conversions

Conversions Part 1

Format	Color
Hex	38743F
RGB	56, 116, 63
RGB Percent	22%, 45%, 25%
CMY	0.7804, 0.5451, 0.7529
CMYK	0.52, 0.00, 0.46, 0.55
HSL	127°, 35%, 34%
HSV	127°, 52%, 45%
XYZ	8.7735, 13.6904, 6.8827
YIQ	92.0180, -18.7470, -29.2030

Conversions

Conversions Part 2

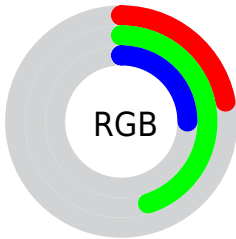
Format	Color
RYB	56, 110, 116
Decimal	3699775
CIELab	43.79, -31.73, 23.41
CIElCh	44, 39.429, 143.581
Yxy	13.6904, 0.2990, 0.4665
Android (android.graphics.Color)	4281889855 (0xFF38743F)
YUV	92.0180, -14.3059, -31.5878
Hunter-Lab	37.0005, -22.4254, 14.8715

Details

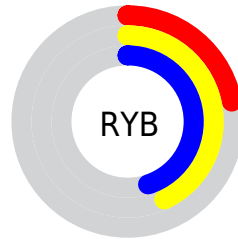
The XYZ color **8.7735, 13.6904, 6.8827** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.3774, 7.6458, 15.3448**, and the grayscale version is **10.2122, 10.7440, 11.7002**.

A 20% lighter version of the original color is **23.2969, 32.7339, 20.4196**, and **2.1163, 4.0580, 1.2440** is the 20% darker color. If you saturate the color by 10%, you get **7.9386, 13.2905, 5.4855**, and if you desaturate by 10%, it is **9.8127, 14.1903, 8.5684**.

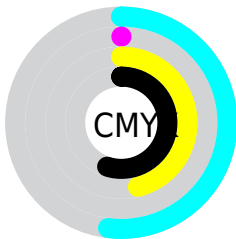
Distribution



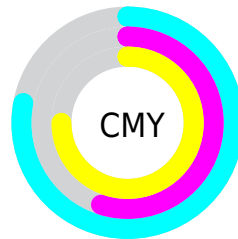
- Red (22%)
- Green (45%)
- Blue (25%)



- Red (22%)
- Yellow (43%)
- Blue (45%)



- Cyan (52%)
- Magenta (0%)
- Yellow (46%)
- Black (55%)



- Cyan (78%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7735, 13.6904, 6.8827 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 8.7735, 13.6904, 6.8827 by changing the saturation by 10% instead.

■ 8.7735, 13.6904,
6.8827

■ 8.7735, 13.6904,
6.8827

175.9222,
215.2962, 176.2792

■ 4.6497, 7.9057,
3.3115

■ 23.1326, 32.5387,
20.2457

■ 2.0758, 4.0346,
1.2558

■ 34.0986, 46.3710,
30.8746

■ 0.6760, 1.6930,
0.0252

■ 48.0761, 63.6546,
44.6931

■ 0.0000, 0.4191,
0.0000

■ 65.4303, 84.7739,
62.1198

■ 0.0000, 0.0000,
0.0000

■ 86.5267, 110.1134,
83.5732

■ 111.7305,

140.0573, 109.4719

141.4072,
174.9901, 140.2344

■ 8.7735, 13.6904,
6.8827

■ 8.7735, 13.6904,
6.8827

■ 7.9386, 13.2905,
5.4855

■ 9.8127, 14.1903,
8.5684

■ 7.2935, 12.9822,
4.3598

■ 11.0674, 14.7944,
10.5565

■ 6.8234, 12.7586,
3.4882

■ 12.5493, 15.5089,
12.8612

■ 6.5108, 12.6112,
2.8508

■ 14.2690, 16.3389,
15.4954

■ 6.3218, 12.5217,
2.4828

■ 16.2361, 17.2891,
18.4714

■ 18.4600, 18.3642,
21.8009

■ 20.9496, 19.5685,
25.4949

■ 23.7132, 20.9059,
29.5640

■ 26.7588, 22.3806,
34.0183

Harmonies

Analogous

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



10.7662, 13.6904, 4.0829



8.7735, 13.6904, 6.8827



7.9337, 13.6904, 13.0747

Triad

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



8.7735, 13.6904, 6.8827



12.3559, 13.6904, 39.1849



19.2899, 13.6904, 9.0573

Complementary

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



8.7735, 13.6904, 6.8827



11.3774, 7.6458, 15.3448

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.



19.8959, 13.6904, 16.9020



8.7735, 13.6904, 6.8827



15.5509, 13.6904, 36.7221

Square

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



8.7735, 13.6904, 6.8827



9.7787, 13.6904, 33.3429



18.4346, 13.6904, 27.5428



16.8902, 13.6904, 4.9438

Rectangle

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



8.7735, 13.6904, 6.8827



8.0272, 13.6904, 19.2948



18.4346, 13.6904, 27.5428



19.7244, 13.6904, 11.2398

Sweetspot

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



8.7738, 13.6910, 6.8830



23.6132, 28.0109, 24.9960



13.3902, 16.0920, 6.1419



5.5192, 6.6274, 5.7883



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.



8.7738, 13.6910, 6.8830



13.7204, 23.2495, 9.2418



9.8085, 14.1048, 12.3312



3.6564, 4.1045, 4.0246



7.0899, 14.0500, 2.7637



34.3782, 68.3986, 12.5628

Inverse Universe

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



11.3774, 7.6458, 15.3448



18.8340, 11.3507, 25.8424



10.0650, 7.1208, 8.4337



3.8091, 3.7509, 4.5217



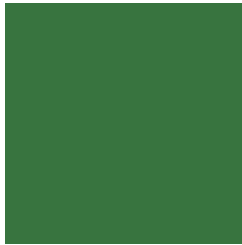
10.7960, 5.2521, 14.6657



52.4058, 25.5124, 70.3914

Previews

White Background



This preview shows how the XYZ color 8.7735, 13.6904, 6.8827 looks on a white background.

Color Contrast Check

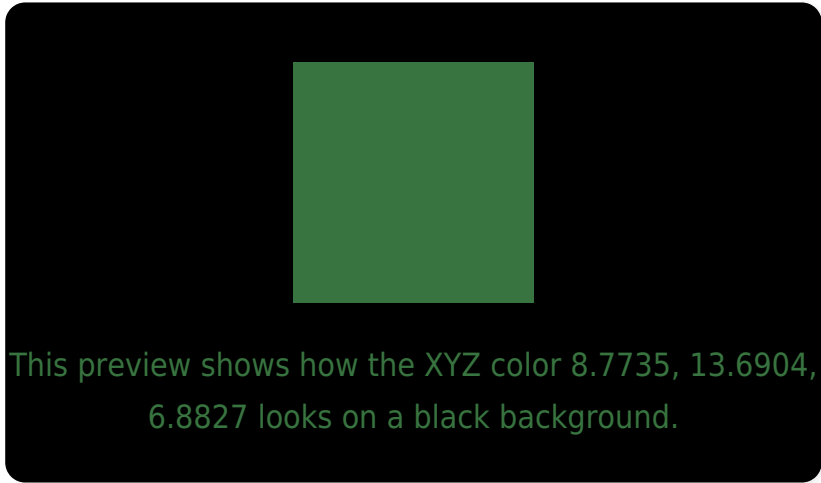
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.7735, 13.6904, 6.8827

Background



This preview shows how black text looks on a background with the XYZ color 8.7735, 13.6904, 6.8827.



This preview shows how white text looks on a background with the XYZ color 8.7735, 13.6904,

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

8.7735, 13.6904, 6.8827

Protanopia

12.4240, 13.5167, 5.9572

Deuteranopia

13.6930, 13.4257, 7.1799



Tritanopia

11.3599, 13.7490, 19.5078

Trichromacy



Original Color

8.7735, 13.6904, 6.8827

Protanomaly

10.5918, 13.3267, 6.2890

Deuteranomaly

11.1805, 13.1491, 7.1030

Tritanomaly

10.1607, 13.5792, 13.8899

Monochromacy



Original Color

8.7735, 13.6904, 6.8827

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.3633, 11.5637, 9.5231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7735, 13.6904, 6.8827 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(56, 116, 63)` looks like.

```
.text, #text, p{  
    color:rgb(56, 116, 63)  
}
```

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(56, 116, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 116, 63) }
```

Border

The CSS property to change the border of an element to XYZ 8.7735, 13.6904, 6.8827 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(56, 116, 63) }
```


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

```
.border{ border-color:rgb(56, 116, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 116, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 116, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 116, 63);  
box-shadow:4px 4px 4px 4px rgb(56, 116,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7735, 13.6904, 6.8827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 116, 63) }
```

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

```
.background{ background-color: rgb(56, 116,  
63) }
```

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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