

Converting Colors

XYZ(8.7702, 13.5458, 4.7975)

Have a look what the booklet for
XYZ(8.7702, 13.5458, 4.7975)
contains.

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Color

**XYZ(8.7582, 13.5567,
4.8444)**

Conversions

Conversions Part 1

Format	Color
Hex	40732F
RGB	64, 115, 47
RGB Percent	25%, 45%, 18%
CMY	0.7490, 0.5490, 0.8157
CMYK	0.44, 0.00, 0.59, 0.55
HSL	105°, 42%, 32%
HSV	105°, 59%, 45%
XYZ	8.7582, 13.5567, 4.8444
YIQ	91.9990, -8.5680, -31.9600

Conversions

Conversions Part 2

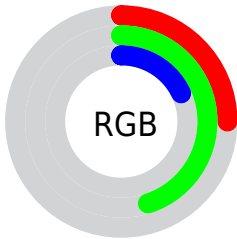
Format	Color
RYB	47, 115, 98
Decimal	4223791
CIELab	43.59, -31.02, 31.87
CIElCh	44, 44.475, 134.221
Yxy	13.5567, 0.3225, 0.4992
Android (android.graphics.Color)	4282413871 (0xFF40732F)
YUV	91.9990, -22.1845, -24.5551
Hunter-Lab	36.8194, -21.9744, 17.9727

Details

The XYZ color **8.7582, 13.5567, 4.8444** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.1486, 5.8679, 16.8708**, and the grayscale version is **10.2237, 10.7561, 11.7134**.

A 20% lighter version of the original color is **22.9545, 32.1085, 15.8142**, and **2.0734, 3.9610, 0.6553** is the 20% darker color. If you saturate the color by 10%, you get **8.0381, 13.2092, 3.7554**, and if you desaturate by 10%, it is **9.6270, 13.9745, 6.2602**.

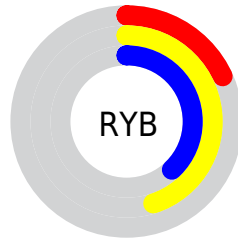
Distribution



Red (25%)

Green (45%)

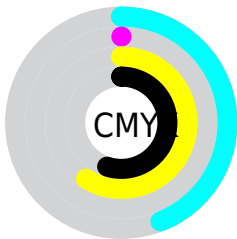
Blue (18%)



Red (18%)

Yellow (45%)

Blue (38%)

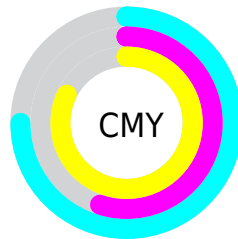


Cyan (44%)

Magenta (0%)

Yellow (59%)

Black (55%)



Cyan (75%)

Magenta (55%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7582, 13.5567, 4.8444 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 8.7582, 13.5567, 4.8444 by changing the saturation by 10% instead.

■ 8.7582, 13.5567,
4.8444

■ 8.7582, 13.5567,
4.8444

175.8092,
214.4553, 157.1935

■ 4.6396, 7.8130,
2.0991

■ 23.1034, 32.3004,
15.9146

■ 2.0700, 3.9755,
0.6152

■ 34.0608, 46.0691,
25.0766

■ 0.6728, 1.6599,
0.0000

■ 48.0285, 63.2817,
37.2146

■ 0.0000, 0.3975,
0.0000

■ 65.3719, 84.3224,
52.7472

■ 0.0000, 0.0000,
0.0000

■ 86.4563, 109.5758,
72.0928

■ 111.6471,

139.4261, 95.6700

141.3096,
174.2578, 123.8974

■ 8.7582, 13.5567,
4.8444

■ 8.7582, 13.5567,
4.8444

■ 8.0381, 13.2092,
3.7554

■ 9.6270, 13.9745,
6.2602

■ 7.4567, 12.9264,
2.9663

■ 10.6515, 14.4647,
8.0253

■ 7.0044, 12.7042,
2.4471

■ 11.8396, 15.0312,
10.1610

■ 6.6574, 12.5328,
2.0969

■ 13.1983, 15.6771,
12.6869

■ 6.6306, 12.5196,
2.0671

■ 14.7341, 16.4055,
15.6210

■ 16.4532, 17.2191,
18.9804

■ 18.3616, 18.1208,
22.7810

■ 20.4649, 19.1131,
27.0381

■ 22.7685, 20.1983,
31.7660

Harmonies

Analogous

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



11.3099, 13.5567, 2.8858



8.7582, 13.5567, 4.8444



7.4578, 13.5567, 10.1379

Triad

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



8.7582, 13.5567, 4.8444



11.1495, 13.5567, 41.9588



20.5233, 13.5567, 10.5349

Complementary

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



8.7582, 13.5567, 4.8444



9.1486, 5.8679, 16.8708

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.



20.4591, 13.5567, 20.6112



8.7582, 13.5567, 4.8444



14.6004, 13.5567, 42.2301

Square

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



8.7582, 13.5567, 4.8444



8.6591, 13.5567, 32.5722



18.1397, 13.5567, 33.2009



18.3018, 13.5567, 5.0219

Rectangle

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



8.7582, 13.5567, 4.8444



7.2965, 13.5567, 16.2173



18.1397, 13.5567, 33.2009



20.7793, 13.5567, 13.3945

Sweetspot

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



8.7585, 13.5573, 4.8447



23.8038, 28.1527, 23.0397



11.9516, 12.5860, 4.4889



5.5323, 6.6467, 5.2207



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.



8.7585, 13.5573, 4.8447



13.9759, 23.4502, 6.1364



8.2288, 13.2366, 6.9720



3.7185, 4.1384, 3.9451



7.5618, 14.3026, 2.3621



36.1708, 69.3485, 11.4792

Inverse Universe

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



9.1486, 5.8679, 16.8708



14.7040, 8.2568, 29.8632



10.2918, 6.5601, 12.2796



3.7415, 3.7141, 4.6099



7.9316, 3.6802, 18.8349



37.8384, 17.5149, 91.7467

Previews

White Background



This preview shows how the XYZ color 8.7582, 13.5567, 4.8444 looks on a white background.

Color Contrast Check

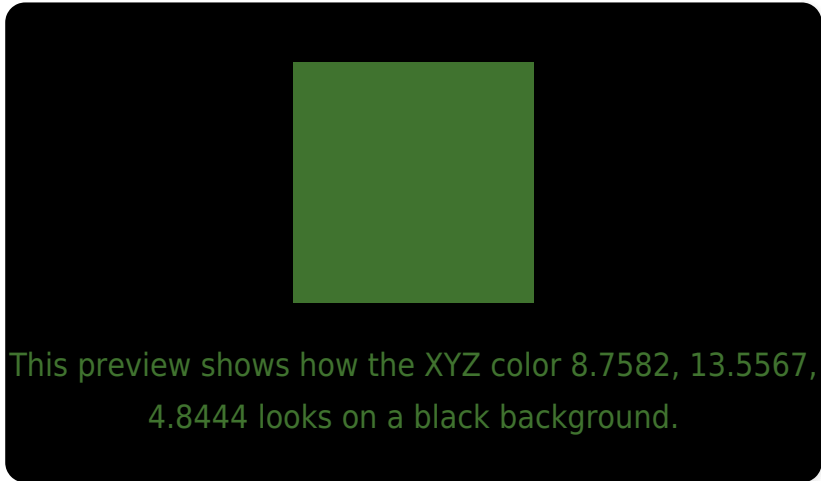
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.7582, 13.5567, 4.8444

Background



This preview shows how black text looks on a background with the XYZ color 8.7582, 13.5567, 4.8444.



This preview shows how white text looks on a background with the XYZ color 8.7582, 13.5567,

4.8444.

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

8.7582, 13.5567, 4.8444

Protanopia

12.2257, 13.4523, 4.2377

Deuteranopia

13.5917, 13.4189, 5.1226



Tritanopia

11.5539, 13.5460, 18.8353

Trichromacy



Original Color

8.7582, 13.5567, 4.8444

Protanomaly

10.5362, 13.1840, 4.3723

Deuteranomaly

11.1196, 13.0145, 4.9436

Tritanomaly

10.2887, 13.5193, 12.1924

Monochromacy



Original Color

8.7582, 13.5567, 4.8444

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.3414, 11.4300, 8.5513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7582, 13.5567, 4.8444 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(64, 115, 47)` looks like.

```
.text, #text, p{  
    color:rgb(64, 115, 47)  
}
```

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(64, 115, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 115, 47) }
```

Border

The CSS property to change the border of an element to XYZ 8.7582, 13.5567, 4.8444 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(64, 115, 47) }
```


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

```
.border{ border-color:rgb(64, 115, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 115, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 115, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 115, 47);  
box-shadow:4px 4px 4px 4px rgb(64, 115,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7582, 13.5567, 4.8444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 115, 47) }
```

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

```
.background{ background-color: rgb(64, 115,  
47) }
```

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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