

Converting Colors

XYZ(13.4398, 12.3066, 6.4804)

Have a look what the booklet for
XYZ(13.4398, 12.3066, 6.4804)
contains.

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Color

**XYZ(13.4837, 12.2717,
6.5085)**

Conversions

Conversions Part 1

Format	Color
Hex	805A40
RGB	128, 90, 64
RGB Percent	50%, 35%, 25%
CMY	0.4980, 0.6470, 0.7490
CMYK	0.00, 0.30, 0.50, 0.50
HSL	24°, 33%, 38%
HSV	24°, 50%, 50%
XYZ	13.4837, 12.2717, 6.5085
YIQ	98.3980, 30.9940, -0.0300

Conversions

Conversions Part 2

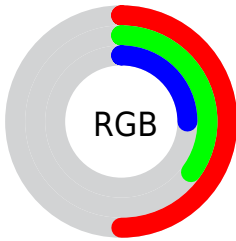
Format	Color
RYB	128, 108, 64
Decimal	8411712
CIELab	41.64, 12.30, 21.19
CIELCh	42, 24.501, 59.858
Yxy	12.2717, 0.4179, 0.3804
Android (android.graphics.Color)	4286601792 (0xFF805A40)
YUV	98.3980, -16.9582, 25.9610
Hunter-Lab	35.0310, 7.4018, 13.5060

Details

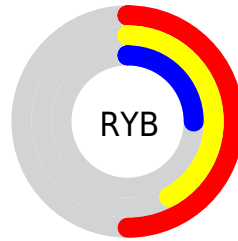
The XYZ color **13.4837, 12.2717, 6.5085** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.7618, 12.1508, 22.2002**, and the grayscale version is **11.7446, 12.3562, 13.4559**.

A 20% lighter version of the original color is **31.8312, 29.9933, 19.4408**, and **4.0165, 3.3920, 1.1525** is the 20% darker color. If you saturate the color by 10%, you get **12.5519, 10.9257, 4.6026**, and if you desaturate by 10%, it is **14.5653, 13.7835, 8.8772**.

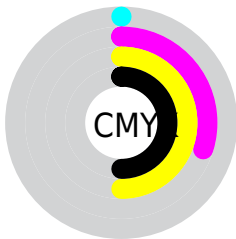
Distribution



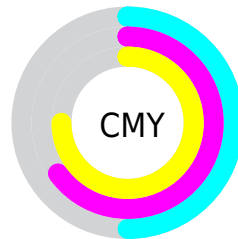
- Red (50%)
- Green (35%)
- Blue (25%)



- Red (50%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (30%)
- Yellow (50%)
- Black (50%)





- Cyan (50%)
- Magenta (65%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4837, 12.2717, 6.5085 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 13.4837, 12.2717, 6.5085 by changing the saturation by 10% instead.


 13.4837, 12.2717,
6.5085


 13.4837, 12.2717,
6.5085


207.5703,
206.1958, 172.9878


 7.8417, 6.9290,
3.0829


 31.7641, 29.9890,
19.4731


 4.0448, 3.4177,
1.1371

 45.1332, 43.1324,
29.8493

 1.7275, 1.3535,
0.0000

 61.8087, 59.6448,
43.3794

 0.4734, 0.1821,
0.0000

 82.1560, 79.9106,
60.4819

 0.0000, 0.0000,
0.0000

 106.5405,
104.3142, 81.5755

 135.3275,

133.2400, 107.0787

168.8823,
167.0724, 137.4099

■ 13.4837, 12.2717,
6.5085

■ 13.4837, 12.2717,
6.5085

■ 12.5519, 10.9257,
4.6026

■ 14.5653, 13.7835,
8.8772

■ 11.7613, 9.7374,
3.1274

■ 15.8028, 15.4650,
11.7362

■ 11.1035, 8.7008,
2.0483

■ 17.2034, 17.3226,
15.1118

■ 10.5688, 7.8083,
1.3242

■ 18.7730, 19.3613,
19.0280

■ 10.1304, 7.0458,
0.8261

■ 20.5177, 21.5863,
23.5076

■ 10.1304, 7.0457,
0.8260

■ 22.4430, 24.0022,
28.5718

■ 24.5541, 26.6139,
34.2408

■ 26.8562, 29.4257,
40.5338

■ 29.3541, 32.4419,
47.4693

Harmonies

Analogous

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



14.9195, 12.2717, 9.0212



13.4837, 12.2717, 6.5085



11.6724, 12.2717, 5.7159

Triad

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



13.4837, 12.2717, 6.5085



8.5425, 12.2717, 13.3374



13.4674, 12.2717, 23.8947

Complementary

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



13.4837, 12.2717, 6.5085



10.7618, 12.1508, 22.2002

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.



11.6553, 12.2717, 25.8798



13.4837, 12.2717, 6.5085



8.9201, 12.2717, 18.9100

Square

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



13.4837, 12.2717, 6.5085



8.9272, 12.2717, 8.9886



10.0156, 12.2717, 23.8587



14.9095, 12.2717, 18.9635

Rectangle

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



13.4837, 12.2717, 6.5085



10.5306, 12.2717, 6.0560



10.0156, 12.2717, 23.8587



12.8757, 12.2717, 24.9775

Sweetspot

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



13.4840, 12.2723, 6.5087



31.5377, 32.1294, 29.6948



13.1537, 9.2234, 13.7618



7.2706, 7.3750, 6.6710



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4840, 12.2723, 6.5087



21.8929, 18.9311, 7.7009



16.7381, 18.7805, 7.5934



4.4601, 4.6089, 4.5747



10.0463, 6.9889, 0.8195



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.7618, 12.1508, 22.2002



16.5043, 18.6672, 38.6895



8.2260, 7.0792, 21.3550



4.3044, 4.6028, 5.4748



6.4271, 6.6727, 21.1992



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4837, 12.2717, 6.5085 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



This preview shows how the XYZ color 13.4837, 12.2717, 6.5085 looks on a 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 13.4837, 12.2717, 6.5085

Background



This preview shows how black text looks on a background with the XYZ color 13.4837, 12.2717, 6.5085.



This preview shows how white text looks on a background with the XYZ color 13.4837, 12.2717,

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

13.4837, 12.2717, 6.5085

Protanopia

11.5384, 12.4547, 7.1061

Deuteranopia

12.5077, 12.2862, 6.4149



Tritanopia

14.5095, 12.1917, 11.9444

Trichromacy



Original Color

13.4837, 12.2717, 6.5085

Protanomaly

12.2365, 12.4039, 6.9035

Deuteranomaly

12.8376, 12.3252, 6.4050

Tritanomaly

13.9844, 12.0927, 9.5797

Monochromacy



Original Color

13.4837, 12.2717, 6.5085

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.0786, 12.1075, 10.5045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4837, 12.2717, 6.5085 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(128, 90, 64)` looks like.

```
.text, #text, p{  
    color:rgb(128, 90, 64)  
}
```

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(128, 90, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 90, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.4837, 12.2717, 6.5085 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(128, 90, 64) }
```


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

```
.border{ border-color:rgb(128, 90, 64) }
```

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

Here you see how a box with a 4 pixel rgb(128, 90, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 90, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 90, 64);  
box-shadow:4px 4px 4px 4px rgb(128, 90,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4837, 12.2717, 6.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 90, 64) }
```

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

```
.background{ background-color: rgb(128, 90,  
64) }
```

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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