

Converting Colors

XYZ(13.2887, 12.5606, 4.0204)

Have a look what the booklet for
XYZ(13.2887, 12.5606, 4.0204)
contains.

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Color

**XYZ(13.2525, 12.5923,
4.0176)**

Conversions

Conversions Part 1	
Format	Color
Hex	805D2B
RGB	128, 93, 43
RGB Percent	50%, 36%, 17%
CMY	0.4980, 0.6353, 0.8314
CMYK	0.00, 0.27, 0.66, 0.50
HSL	35°, 50%, 34%
HSV	35°, 66%, 50%
XYZ	13.2525, 12.5923, 4.0176
YIQ	97.7650, 36.9100, -8.1300

Conversions

Conversions Part 2

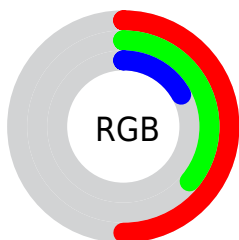
Format	Color
RYB	103, 128, 43
Decimal	8412459
CIELab	42.14, 8.66, 33.66
CIELCh	42, 34.758, 75.575
Yxy	12.5923, 0.4438, 0.4217
Android (android.graphics.Color)	4286602539 (0xFF805D2B)
YUV	97.7650, -26.9991, 26.5161
Hunter-Lab	35.4856, 4.5629, 18.1273

Details

The XYZ color **13.2525, 12.5923, 4.0176** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.6169, 7.5206, 21.4722**, and the grayscale version is **11.6098, 12.2144, 13.3015**.

A 20% lighter version of the original color is **31.2392, 30.4675, 14.1319**, and **3.9970, 3.5695, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **12.6069, 11.6197, 2.8202**, and if you desaturate by 10%, it is **14.0044, 13.6594, 5.6144**.

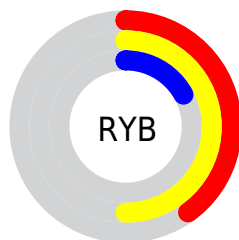
Distribution



Red (50%)

Green (36%)

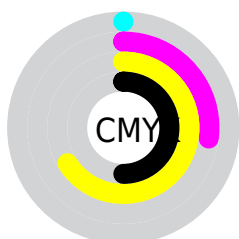
Blue (17%)



Red (40%)

Yellow (50%)

Blue (17%)

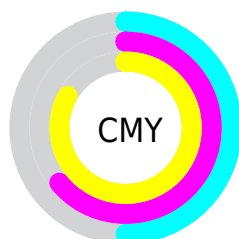


Cyan (0%)

Magenta (27%)

Yellow (66%)

Black (50%)



Cyan (50%)


Magenta (64%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2525, 12.5923, 4.0176 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 13.2525, 12.5923, 4.0176 by changing the saturation by 10% instead.


 13.2525, 12.5923,
4.0176

 13.2525, 12.5923,
4.0176


206.1347,
208.2880, 148.4208


 7.6808, 7.1484,
1.6350


 31.3541, 30.5694,
14.0503


 3.9415, 3.5551,
0.3156

 44.6148, 43.8713,
22.5375


 1.6691, 1.4279,
0.0000

 61.1693, 60.5614,
33.8967

 0.4368, 0.2372,
0.0000

 81.3828, 81.0241,
48.5464

 0.0000, 0.0000,
0.0000

 105.6207,
105.6437, 66.9051

 134.2484,

134.8046, 89.3914

167.6313,
168.8912, 116.4237

■ 13.2525, 12.5923,
4.0176

■ 13.2525, 12.5923,
4.0176

■ 12.6069, 11.6197,
2.8202

■ 14.0044, 13.6594,
5.6144

■ 12.0588, 10.7356,
1.9836

■ 14.8684, 14.8229,
7.6431

■ 11.5947, 9.9341,
1.4385

■ 15.8512, 16.0869,
10.1334

■ 11.4384, 9.6619,
1.2621

■ 16.9583, 17.4546,
13.1124

■ 18.1951, 18.9289,
16.6050

■ 19.5663, 20.5127,
20.6343

■ 21.0768, 22.2089,
25.2221

■ 22.7309, 24.0199,
30.3890

■ 24.5327, 25.9483,
36.1543

Harmonies

Analogous

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



15.8037, 12.5923, 5.8395



13.2525, 12.5923, 4.0176



10.6807, 12.5923, 4.0504

Triad

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



13.2525, 12.5923, 4.0176



7.7840, 12.5923, 17.9077



15.8889, 12.5923, 26.3127

Complementary

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



13.2525, 12.5923, 4.0176



7.6169, 7.5206, 21.4722

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.



13.3561, 12.5923, 32.5484



13.2525, 12.5923, 4.0176



8.8103, 12.5923, 26.6265

Square

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



13.2525, 12.5923, 4.0176



7.7646, 12.5923, 10.4561



10.7704, 12.5923, 32.6804



17.4682, 12.5923, 17.5794

Rectangle

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



13.2525, 12.5923, 4.0176



9.2990, 12.5923, 5.0747



10.7704, 12.5923, 32.6804



15.1057, 12.5923, 28.8897

Sweetspot

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



13.2528, 12.5929, 4.0178



31.1242, 32.2517, 26.6305



11.1562, 6.8731, 8.0251



7.1668, 7.4075, 5.8957



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.



13.2528, 12.5929, 4.0178



21.6514, 19.5933, 4.0906



16.0287, 19.6717, 5.2379



4.5215, 4.7317, 4.5951



11.3434, 9.5832, 1.2519



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.6169, 7.5206, 21.4722



10.9609, 10.0076, 37.3102



6.0798, 3.9667, 20.8672



4.2430, 4.4799, 5.4544



5.1137, 4.0458, 20.7614



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2525, 12.5923, 4.0176 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 13.2525, 12.5923, 4.0176 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 13.2525, 12.5923, 4.0176

Background



This preview shows how black text looks on a background with the XYZ color 13.2525, 12.5923, 4.0176.



This preview shows how white text looks on a background with the XYZ color 13.2525, 12.5923,

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

13.2525, 12.5923, 4.0176

Protanopia

11.5864, 12.6833, 4.3201

Deuteranopia

12.8223, 12.6367, 3.9538



Tritanopia

15.0258, 12.6931, 12.2477

Trichromacy



Original Color
13.2525, 12.5923, 4.0176

Protanomaly
12.0654, 12.5131, 4.1622

Deuteranomaly
12.8781, 12.5325, 3.9308

Tritanomaly
14.2862, 12.6456, 8.3445

Monochromacy



Original Color
13.2525, 12.5923, 4.0176

Achromatopsia
11.6093, 12.2139, 13.3009

Achromatomaly
11.8647, 12.1670, 8.9309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2525, 12.5923, 4.0176 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, 93, 43) looks like.

```
.text, #text, p{  
    color:rgb(128, 93, 43)  
}
```

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, 93, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 93, 43) }
```

Border

The CSS property to change the border of an element to XYZ 13.2525, 12.5923, 4.0176 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, 93, 43) }
```


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

```
.border{ border-color:rgb(128, 93, 43) }
```

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

Here you see how a box with a 4 pixel rgb(128, 93, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 93, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 93, 43);  
box-shadow:4px 4px 4px 4px rgb(128, 93,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2525, 12.5923, 4.0176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 93, 43) }
```

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

```
.background{ background-color: rgb(128, 93,  
43) }
```

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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