

Converting Colors

XYZ(13.7265, 13.3560, 10.4683)

Have a look what the booklet for
XYZ(13.7265, 13.3560, 10.4683)
contains.

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Color

**XYZ(13.7531, 13.3843,
10.4529)**

Conversions

Conversions Part 1

Format	Color
Hex	786255
RGB	120, 98, 85
RGB Percent	47%, 38%, 33%
CMY	0.5294, 0.6157, 0.6667
CMYK	0.00, 0.18, 0.29, 0.53
HSL	22°, 17%, 40%
HSV	22°, 29%, 47%
XYZ	13.7531, 13.3843, 10.4529
YIQ	103.0960, 17.2850, 0.6210

Conversions

Conversions Part 2

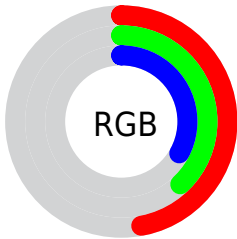
Format	Color
R_{YB}	120, 106, 85
Decimal	7889493
CIE Lab	43.34, 6.74, 10.73
CIE LCh	43, 12.666, 57.876
Yxy	13.3843, 0.3659, 0.3561
Android (android.graphics.Color)	4286079573 (0xFF786255)
YUV	103.0960, -8.9213, 14.8248
Hunter-Lab	36.5846, 3.0799, 8.6689

Details

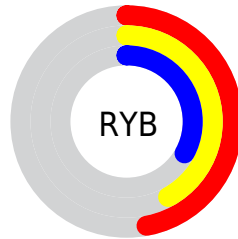
The XYZ color **13.7531, 13.3843, 10.4529** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3940, 13.8024, 19.7802**, and the grayscale version is **12.9375, 13.6112, 14.8226**.

A 20% lighter version of the original color is **32.3542, 32.1284, 27.4178**, and **4.2095, 3.9488, 2.5478** is the 20% darker color. If you saturate the color by 10%, you get **12.6436, 11.8645, 7.9272**, and if you desaturate by 10%, it is **15.0107, 15.0707, 13.4273**.

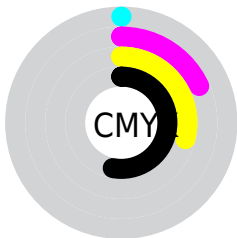
Distribution



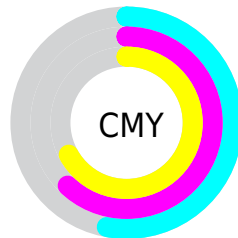
- Red (47%)
- Green (38%)
- Blue (33%)



- Red (47%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (18%)
- Yellow (29%)
- Black (53%)



- Cyan (53%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7531, 13.3843, 10.4529 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 13.7531, 13.3843, 10.4529 by changing the saturation by 10% instead.

■ 13.7531, 13.3843,
10.4529

■ 13.7531, 13.3843,
10.4529

209.2309,
213.3661, 204.4755

■ 8.0297, 7.6937,
5.5908

■ 32.2402, 31.9925,
27.2650

■ 4.1659, 3.8996,
2.5331

■ 45.7347, 45.6789,
40.0520

■ 1.7964, 1.6176,
0.8576

■ 62.5502, 62.7993,
56.3177

■ 0.5155, 0.3694,
0.0000

■ 83.0521, 83.7382,
76.4806

■ 0.0000, 0.0000,
0.0000

■ 107.6057,
108.8799, 100.9593

136.5765,

138.6089, 130.1723

170.3298,
173.3095, 164.5382

■ 13.7531, 13.3843,
10.4529

■ 13.7531, 13.3843,
10.4529

■ 12.6436, 11.8645,
7.9272

■ 15.0107, 15.0707,
13.4273

■ 11.6751, 10.5041,
5.8272

■ 16.4210, 16.9269,
16.8700

■ 10.8419, 9.2983,
4.1291

■ 17.9894, 18.9584,
20.8006

■ 10.1369, 8.2410,
2.8067

■ 19.7210, 21.1696,
25.2374

■ 9.5525, 7.3258,
1.8303

■ 21.6205, 23.5651,
30.1974

■ 9.0802, 6.5457,
1.1657

■ 23.6925, 26.1491,
35.6973

■ 8.6976, 5.8880,
0.7068

■ 25.9413, 28.9257,
41.7526

■ 8.6682, 5.8380,
0.6700

■ 28.3712, 31.8989,
48.3784

■ 30.9862, 35.0727,
55.5892

Harmonies

Analogous

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



14.4663, 13.3843, 12.1860



13.7531, 13.3843, 10.4529



12.7915, 13.3843, 9.8057

Triad

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



13.7531, 13.3843, 10.4529



10.9246, 13.3843, 14.3736



13.6257, 13.3843, 19.9008

Complementary

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



13.7531, 13.3843, 10.4529



12.3940, 13.8024, 19.7802

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.



12.6515, 13.3843, 20.6793



13.7531, 13.3843, 10.4529



11.1227, 13.3843, 17.2534

Square

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



13.7531, 13.3843, 10.4529



11.1869, 13.3843, 11.8802



11.7426, 13.3843, 19.6549



14.3901, 13.3843, 17.6452

Rectangle

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



13.7531, 13.3843, 10.4529



12.1500, 13.3843, 10.0048



11.7426, 13.3843, 19.6549



13.3104, 13.3843, 20.3557

Sweetspot

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



13.7535, 13.3849, 10.4532



28.8673, 29.7528, 29.6360



13.6570, 11.5553, 15.4666



6.7665, 6.9534, 6.8387



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7535, 13.3849, 10.4532



22.8555, 21.7206, 15.3274



15.5543, 16.9867, 11.0535



4.1090, 4.2364, 4.2256



9.4436, 6.3431, 0.7266



44.2917, 28.7468, 3.2143

Inverse Universe

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



12.3940, 13.8024, 19.7802



20.0509, 22.5767, 34.5540



10.7647, 10.5438, 19.2371



3.9878, 4.2739, 5.0579



6.4608, 7.0040, 20.3967



29.9827, 31.7381, 97.0156

Previews

White Background



This preview shows how the XYZ color 13.7531, 13.3843, 10.4529 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 13.7531, 13.3843, 10.4529 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

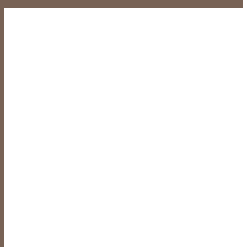
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7531, 13.3843, 10.4529

Background



This preview shows how black text looks on a background with the XYZ color 13.7531, 13.3843, 10.4529.



This preview shows how white text looks on a background with the XYZ color 13.7531, 13.3843,

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

13.7531, 13.3843, 10.4529

Protanopia

12.6560, 13.3790, 10.9322

Deuteranopia

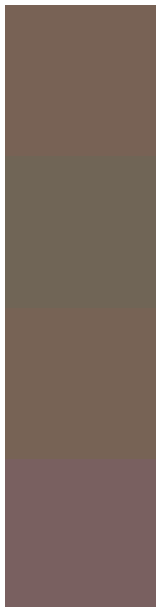
13.7093, 13.5015, 10.4778



Tritanopia

14.5664, 13.3013, 14.6316

Trichromacy



Original Color

13.7531, 13.3843, 10.4529

Protanomaly

13.0155, 13.4240, 10.7092

Deuteranomaly

13.7093, 13.5015, 10.4778

Tritanomaly

14.1793, 13.2752, 12.8814

Monochromacy



Original Color

13.7531, 13.3843, 10.4529

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0717, 13.4031, 12.9644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7531, 13.3843, 10.4529 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(120, 98, 85)` looks like.

```
.text, #text, p{  
    color:rgb(120, 98, 85)  
}
```

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(120, 98, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 98, 85) }
```

Border

The CSS property to change the border of an element to XYZ 13.7531, 13.3843, 10.4529 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(120, 98, 85) }
```


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

```
.border{ border-color:rgb(120, 98, 85) }
```

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

Here you see how a box with a 4 pixel rgb(120, 98, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 98, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 98, 85);  
box-shadow:4px 4px 4px 4px rgb(120, 98,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7531, 13.3843, 10.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 98, 85) }
```

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

```
.background{ background-color: rgb(120, 98,  
85) }
```

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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