

Converting Colors

XYZ(13.2406, 10.8718, 3.6477)

Have a look what the booklet for
XYZ(13.2406, 10.8718, 3.6477)
contains.

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Color

**XYZ(13.1521, 10.7741,
3.6719)**

Conversions

Conversions Part 1

Format	Color
Hex	874E2B
RGB	135, 78, 43
RGB Percent	53%, 31%, 17%
CMY	0.4706, 0.6941, 0.8314
CMYK	0.00, 0.42, 0.68, 0.47
HSL	23°, 52%, 35%
HSV	23°, 68%, 53%
XYZ	13.1521, 10.7741, 3.6719
YIQ	91.0530, 45.2070, 1.1990

Conversions

Conversions Part 2

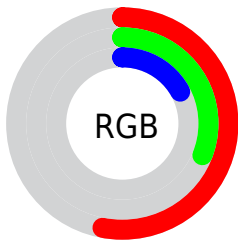
Format	Color
R_{YB}	135, 99, 43
Decimal	8867371
CIE Lab	39.20, 20.70, 30.55
CIE LCh	39, 36.902, 55.885
Yxy	10.7741, 0.4766, 0.3904
Android (android.graphics.Color)	4287057451 (0xFF874E2B)
YUV	91.0530, -23.6901, 38.5415
Hunter-Lab	32.8239, 14.0807, 16.3442

Details

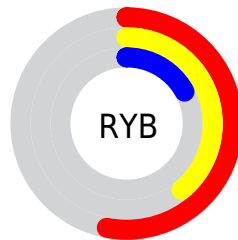
The XYZ color **13.1521, 10.7741, 3.6719** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9263, 11.3765, 24.5942**, and the grayscale version is **10.0013, 10.5221, 11.4586**.

A 20% lighter version of the original color is **31.3029, 27.3830, 13.3085**, and **3.9099, 2.7824, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **12.3874, 9.5776, 2.3909**, and if you desaturate by 10%, it is **14.0750, 12.1558, 5.4104**.

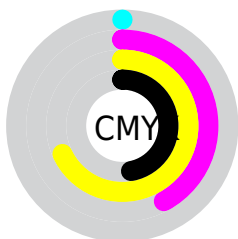
Distribution



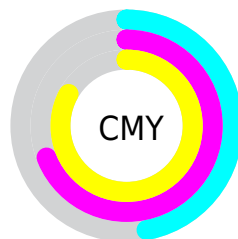
- Red (53%)
- Green (31%)
- Blue (17%)



- Red (53%)
- Yellow (39%)
- Blue (17%)



- Cyan (0%)
- Magenta (42%)
- Yellow (68%)
- Black (47%)





- Cyan (47%)
- Magenta (69%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1521, 10.7741, 3.6719 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 13.1521, 10.7741, 3.6719 by changing the saturation by 10% instead.


 13.1521, 10.7741,
3.6719


 13.1521, 10.7741,
3.6719


205.5081,
196.1111, 144.5056


 7.6111, 5.9151,
1.4471


 31.1758, 27.2417,
13.2457


 3.8968, 2.7935,
0.1781

 44.3891, 39.6191,
21.4318


 1.6439, 1.0249,
0.0000

 60.8906, 55.2714,
32.4421

 0.4208, 0.0000,
0.0000

 81.0457, 74.5831,
46.6952

 0.0000, 0.0000,
0.0000

 105.2196, 97.9385,
64.6095

 133.7777,

125.7221, 86.6037

167.0855,
158.3181, 113.0962

■ 13.1521, 10.7741,
3.6719

■ 13.1521, 10.7741,
3.6719

■ 12.3874, 9.5776,
2.3909

■ 14.0750, 12.1558,
5.4104

■ 11.7687, 8.5554,
1.5213

■ 15.1652, 13.7292,
7.6452

■ 11.2745, 7.6947,
0.9628

■ 16.4320, 15.5025,
10.4116

■ 11.1914, 7.5505,
0.8675

■ 17.8839, 17.4831,
13.7414

■ 19.5285, 19.6777,
17.6641

■ 21.3731, 22.0929,
22.2069

■ 23.4246, 24.7348,
27.3953

■ 25.6896, 27.6093,
33.2535

■ 28.1742, 30.7223,
39.8045

Harmonies

Analogous

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



15.1534, 10.7741, 6.7251



13.1521, 10.7741, 3.6719



10.5862, 10.7741, 2.7054

Triad

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



13.1521, 10.7741, 3.6719



6.1851, 10.7741, 10.7790



12.4648, 10.7741, 28.7895

Complementary

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



13.1521, 10.7741, 3.6719



9.9263, 11.3765, 24.5942

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.



9.9024, 10.7741, 31.2855



13.1521, 10.7741, 3.6719



6.5239, 10.7741, 18.7543

Square

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



13.1521, 10.7741, 3.6719



6.7804, 10.7741, 5.6213



7.7938, 10.7741, 27.0446



14.7137, 10.7741, 21.1699

Rectangle

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



13.1521, 10.7741, 3.6719



8.9908, 10.7741, 2.8923



7.7938, 10.7741, 27.0446



11.6009, 10.7741, 30.3602

Sweetspot

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



13.1524, 10.7747, 3.6721



34.2633, 34.3006, 29.9206



13.2176, 7.8235, 13.1940



7.7651, 7.7176, 6.5221



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.1524, 10.7747, 3.6721



21.5226, 16.0731, 3.3112



17.4776, 19.4251, 5.1138



4.8071, 4.9577, 4.9329



10.3321, 6.9869, 0.8040



0.0425, 0.0375, 0.0050

Inverse Universe

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



9.9263, 11.3765, 24.5942



15.2611, 17.1226, 43.5490



6.7484, 5.0207, 23.5349



4.6567, 4.9890, 5.9183



6.9431, 7.4341, 22.2057



0.0311, 0.0399, 0.0793

Previews

White Background



This preview shows how the XYZ color 13.1521, 10.7741, 3.6719 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 13.1521, 10.7741, 3.6719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

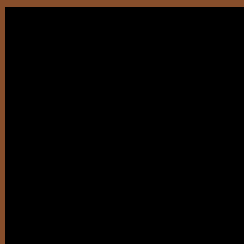
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1521, 10.7741, 3.6719

Background



This preview shows how black text looks on a background with the XYZ color 13.1521, 10.7741, 3.6719.



This preview shows how white text looks on a background with the XYZ color 13.1521, 10.7741,

3.6719.

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

13.1521, 10.7741, 3.6719

Protanopia

9.9273, 10.8669, 4.3706

Deuteranopia

10.9430, 10.7775, 3.5110



Tritanopia

14.1766, 10.7804, 8.7308

Trichromacy



Original Color

13.1521, 10.7741, 3.6719

Protanomaly

10.9223, 10.7541, 4.0849

Deuteranomaly

11.5966, 10.6383, 3.5400

Tritanomaly

13.6528, 10.6597, 6.4922

Monochromacy



Original Color

13.1521, 10.7741, 3.6719

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.6272, 10.2758, 7.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1521, 10.7741, 3.6719 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(135, 78, 43)` looks like.

```
.text, #text, p{  
    color:rgb(135, 78, 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(135, 78, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 78, 43) }
```

Border

The CSS property to change the border of an element to XYZ 13.1521, 10.7741, 3.6719 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(135, 78, 43) }
```


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

```
.border{ border-color:rgb(135, 78, 43) }
```

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

Here you see how a box with a 4 pixel rgb(135, 78, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 78, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 78, 43);  
box-shadow:4px 4px 4px 4px rgb(135, 78,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1521, 10.7741, 3.6719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 78, 43) }
```

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

```
.background{ background-color: rgb(135, 78,  
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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