

Converting Colors

XYZ(12.7191, 10.4978, 4.0243)

Have a look what the booklet for
XYZ(12.7191, 10.4978, 4.0243)
contains.

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Color

**XYZ(12.7532, 10.5595,
4.0554)**

Conversions

Conversions Part 1

Format	Color
Hex	844E2F
RGB	132, 78, 47
RGB Percent	52%, 31%, 18%
CMY	0.4824, 0.6941, 0.8157
CMYK	0.00, 0.41, 0.64, 0.48
HSL	22°, 47%, 35%
HSV	22°, 64%, 52%
XYZ	12.7532, 10.5595, 4.0554
YIQ	90.6120, 42.1350, 1.8070

Conversions

Conversions Part 2

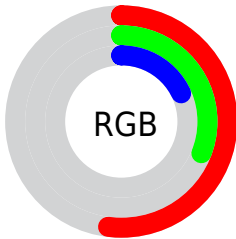
Format	Color
R_{YB}	132, 96, 47
Decimal	8670767
CIE _{Lab}	38.83, 19.65, 27.74
CIE _{LCh}	39, 33.992, 54.694
Yxy	10.5595, 0.4660, 0.3858
Android (android.graphics.Color)	4286860847 (0xFF844E2F)
YUV	90.6120, -21.5007, 36.2973
Hunter-Lab	32.4954, 13.1875, 15.3474

Details

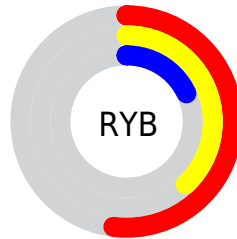
The XYZ color **12.7532, 10.5595, 4.0554** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9907, 11.5773, 23.5378**, and the grayscale version is **9.8966, 10.4120, 11.3387**.

A 20% lighter version of the original color is **30.4786, 26.9379, 14.1828**, and **3.7683, 2.7500, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **11.9679, 9.3525, 2.6729**, and if you desaturate by 10%, it is **13.6956, 11.9518, 5.8880**.

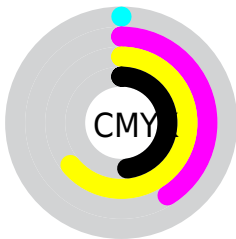
Distribution



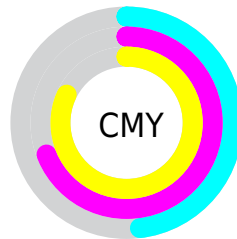
- Red (52%)
- Green (31%)
- Blue (18%)



- Red (52%)
- Yellow (38%)
- Blue (18%)



- Cyan (0%)
- Magenta (41%)
- Yellow (64%)
- Black (48%)





- Cyan (48%)
- Magenta (69%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7532, 10.5595, 4.0554 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 12.7532, 10.5595, 4.0554 by changing the saturation by 10% instead.


 12.7532, 10.5595,
4.0554


 12.7532, 10.5595,
4.0554


202.9996,
194.6200, 148.8392


 7.3346, 5.7715,
1.6558


 30.4648, 26.8427,
14.1373


 3.7204, 2.7066,
0.3302

 43.4885, 39.1066,
22.6567


 1.5452, 0.9806,
0.0000

 59.7780, 54.6313,
34.0531

 0.3563, 0.0000,
0.0000

 79.6987, 73.8012,
48.7451

 0.0000, 0.0000,
0.0000

 103.6158, 97.0006,
67.1511

 131.8947,

124.6139, 89.6898

164.9009,
157.0256, 116.7796

■ 12.7532, 10.5595,
4.0554

■ 12.7532, 10.5595,
4.0554

■ 11.9679, 9.3525,
2.6729

■ 13.6956, 11.9518,
5.8880

■ 11.3286, 8.3206,
1.6992

■ 14.8036, 13.5357,
8.2058

■ 10.8224, 7.4540,
1.0809

■ 16.0859, 15.3195,
11.0408

■ 10.5786, 7.0313,
0.7996

■ 17.5505, 17.3100,
14.4224

■ 19.2046, 19.5141,
18.3776

■ 21.0551, 21.9381,
22.9316

■ 23.1086, 24.5880,
28.1081

■ 25.3713, 27.4697,
33.9296

■ 27.8492, 30.5889,
40.4174

Harmonies

Analogous

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



14.5078, 10.5595, 7.0553



12.7532, 10.5595, 4.0554



10.4423, 10.5595, 3.0417

Triad

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



12.7532, 10.5595, 4.0554



6.3124, 10.5595, 10.3884



11.9567, 10.5595, 26.8485

Complementary

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



12.7532, 10.5595, 4.0554



9.9907, 11.5773, 23.5378

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.



9.6413, 10.5595, 28.7967



12.7532, 10.5595, 4.0554



6.5936, 10.5595, 17.4966

Square

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



12.7532, 10.5595, 4.0554



6.9009, 10.5595, 5.7159



7.7359, 10.5595, 24.8801



14.0018, 10.5595, 20.2584

Rectangle

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



12.7532, 10.5595, 4.0554



8.9775, 10.5595, 3.1894



7.7359, 10.5595, 24.8801



11.1756, 10.5595, 28.1515

Sweetspot

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



12.7534, 10.5600, 4.0556



32.3204, 32.3730, 28.7376



12.9430, 7.9030, 13.4788



7.3594, 7.3160, 6.2966



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.7534, 10.5600, 4.0556



20.5638, 15.6511, 3.8824



16.6554, 18.3640, 5.3563



4.8014, 4.9463, 4.9310



10.2475, 6.8177, 0.7758



0.0420, 0.0366, 0.0049

Inverse Universe

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



9.9907, 11.5773, 23.5378



15.2508, 17.5047, 41.0281



6.9401, 5.4760, 22.5209



4.6626, 5.0008, 5.9203



7.0966, 7.7410, 22.2568



0.0316, 0.0408, 0.0794

Previews

White Background



This preview shows how the XYZ color 12.7532, 10.5595, 4.0554 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 12.7532, 10.5595, 4.0554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

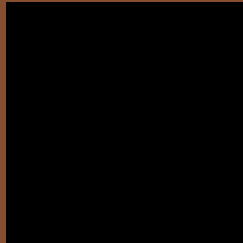
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7532, 10.5595, 4.0554

Background



This preview shows how black text looks on a background with the XYZ color 12.7532, 10.5595, 4.0554.



This preview shows how white text looks on a background with the XYZ color 12.7532, 10.5595,

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

12.7532, 10.5595, 4.0554

Protanopia

9.8138, 10.6689, 4.7909

Deuteranopia

10.7734, 10.6796, 3.9762



Tritanopia

13.7283, 10.5451, 8.9013

Trichromacy



Original Color

12.7532, 10.5595, 4.0554

Protanomaly

10.6660, 10.4914, 4.4805

Deuteranomaly

11.4092, 10.5310, 4.0161

Tritanomaly

13.2323, 10.4361, 6.7858

Monochromacy



Original Color

12.7532, 10.5595, 4.0554

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.5416, 10.2277, 8.0752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7532, 10.5595, 4.0554 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(132, 78, 47)` looks like.

```
.text, #text, p{  
    color:rgb(132, 78, 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(132, 78, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 78, 47) }
```

Border

The CSS property to change the border of an element to XYZ 12.7532, 10.5595, 4.0554 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(132, 78, 47) }
```


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

```
.border{ border-color:rgb(132, 78, 47) }
```

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

Here you see how a box with a 4 pixel rgb(132, 78, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 78, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 78, 47);  
box-shadow:4px 4px 4px 4px rgb(132, 78,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7532, 10.5595, 4.0554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 78, 47) }
```

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

```
.background{ background-color: rgb(132, 78,  
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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