

Converting Colors

XYZ(12.2140, 10.9270, 6.4713)

Have a look what the booklet for
XYZ(12.2140, 10.9270, 6.4713)
contains.

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Color

**XYZ(12.1505, 10.8599,
6.4568)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5441
RGB	122, 84, 65
RGB Percent	48%, 33%, 25%
CMY	0.5216, 0.6706, 0.7451
CMYK	0.00, 0.31, 0.47, 0.52
HSL	20°, 30%, 37%
HSV	20°, 47%, 48%
XYZ	12.1505, 10.8599, 6.4568
YIQ	93.1960, 28.7470, 2.1470

Conversions

Conversions Part 2

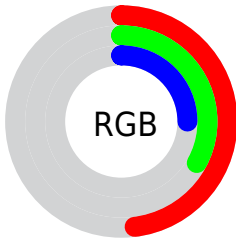
Format	Color
R_{YB}	122, 94, 65
Decimal	8016961
CIE Lab	39.34, 13.33, 17.43
CIE LCh	39, 21.940, 52.594
Yxy	10.8599, 0.4123, 0.3685
Android (android.graphics.Color)	4286207041 (0xFF7A5441)
YUV	93.1960, -13.9006, 25.2611
Hunter-Lab	32.9544, 8.1440, 11.4513

Details

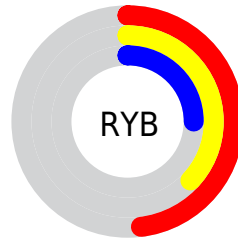
The XYZ color **12.1505, 10.8599, 6.4568** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.5428, 12.2289, 20.2170**, and the grayscale version is **10.4773, 11.0229, 12.0040**.

A 20% lighter version of the original color is **29.4102, 27.4726, 19.3754**, and **3.4689, 2.8486, 1.1261** is the 20% darker color. If you saturate the color by 10%, you get **11.2396, 9.5439, 4.5940**, and if you desaturate by 10%, it is **13.2116, 12.3541, 8.7467**.

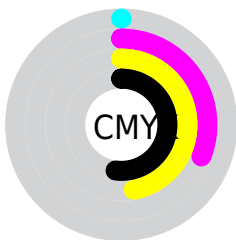
Distribution



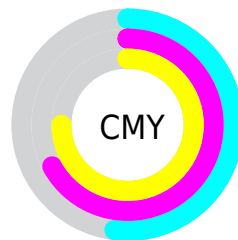
- Red (48%)
- Green (33%)
- Blue (25%)



- Red (48%)
- Yellow (37%)
- Blue (25%)



- Cyan (0%)
- Magenta (31%)
- Yellow (47%)
- Black (52%)



- Cyan (52%)
- Magenta (67%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1505, 10.8599, 6.4568 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 12.1505, 10.8599, 6.4568 by changing the saturation by 10% instead.

12.1505, 10.8599,
6.4568

12.1505, 10.8599,
6.4568

199.1487,
196.7038, 172.5265

6.9192, 5.9727,
3.0515

29.3834, 27.4008,
19.3657

3.4575, 2.8285,
1.1210

42.1157, 39.8233,
29.7064

1.4001, 1.0429,
0.0000

58.0790, 55.5264,
43.1960

0.2563, 0.0000,
0.0000

77.6388, 74.8944,
60.2531

0.0000, 0.0000,
0.0000

101.1602, 98.3117,
81.2961

129.0088,

126.1628, 106.7437

161.5499,
158.8321, 137.0143

■ 12.1505, 10.8599,
6.4568

■ 12.1505, 10.8599,
6.4568

■ 11.2396, 9.5439,
4.5940

■ 13.2116, 12.3541,
8.7467

■ 10.4706, 8.3975,
3.1305

■ 14.4291, 14.0316,
11.4876

■ 9.8357, 7.4139,
2.0366

■ 15.8095, 15.8990,
14.7024

■ 9.3256, 6.5848,
1.2776

■ 17.3591, 17.9622,
18.4123

■ 8.9242, 5.8989,
0.7831

■ 19.0835, 20.2270,
22.6373

■ 8.8077, 5.7009,
0.6362

■ 20.9881, 22.6986,
27.3961

■ 23.0782, 25.3823,
32.7065

■ 25.3588, 28.2830,
38.5857

■ 27.8347, 31.4057,
45.0497

Harmonies

Analogous

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



13.1810, 10.8599, 8.9595



12.1505, 10.8599, 6.4568



10.6935, 10.8599, 5.4402

Triad

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



12.1505, 10.8599, 6.4568



7.7475, 10.8599, 10.8041



11.4553, 10.8599, 21.0667

Complementary

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



12.1505, 10.8599, 6.4568



10.5428, 12.2289, 20.2170

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.



9.9592, 10.8599, 21.8974



12.1505, 10.8599, 6.4568



7.9095, 10.8599, 15.2433

Square

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



12.1505, 10.8599, 6.4568



8.2209, 10.8599, 7.5297



8.6868, 10.8599, 19.5591



12.7536, 10.8599, 17.5035

Rectangle

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



12.1505, 10.8599, 6.4568



9.7134, 10.8599, 5.5170



8.6868, 10.8599, 19.5591



10.9555, 10.8599, 21.7047

Sweetspot

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



12.1508, 10.8604, 6.4570



28.4361, 28.8046, 27.3410



12.3645, 8.8975, 13.8977



6.3965, 6.4450, 6.0013



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.



12.1508, 10.8604, 6.4570



19.6815, 16.6550, 7.8999



14.8297, 16.2182, 7.3500



4.0974, 4.2132, 4.2218



9.2660, 5.9879, 0.6674



43.4911, 27.1457, 2.9474

Inverse Universe

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



10.5428, 12.2289, 20.2170



16.4701, 19.3489, 35.2596



8.1752, 7.4937, 19.4278



3.9998, 4.2979, 5.0619



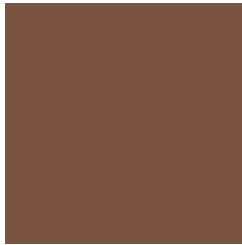
6.8142, 7.7109, 20.5145



31.6977, 35.1679, 97.5872

Previews

White Background



This preview shows how the XYZ color 12.1505, 10.8599, 6.4568 looks on a white background.

Color Contrast Check

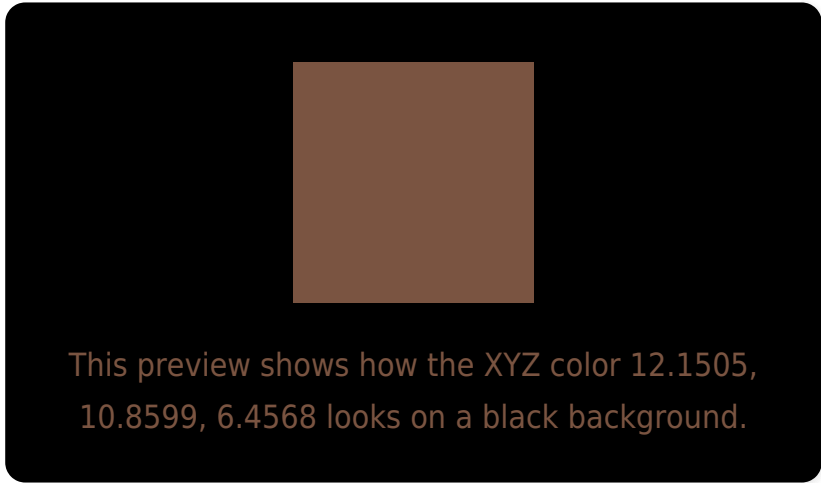
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

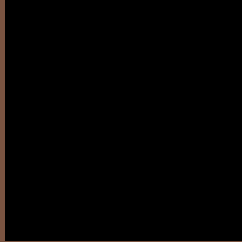
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1505, 10.8599, 6.4568

Background



This preview shows how black text looks on a background with the XYZ color 12.1505, 10.8599, 6.4568.



This preview shows how white text looks on a background with the XYZ color 12.1505, 10.8599,

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

12.1505, 10.8599, 6.4568

Protanopia

10.2441, 10.9677, 7.2073

Deuteranopia

11.0533, 10.8944, 6.3707



Tritanopia

12.9749, 10.8581, 10.4288

Trichromacy



Original Color

12.1505, 10.8599, 6.4568

Protanomaly

10.8839, 10.9178, 7.0025

Deuteranomaly

11.4038, 10.8314, 6.3401

Tritanomaly

12.5970, 10.8101, 8.8198

Monochromacy



Original Color

12.1505, 10.8599, 6.4568

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.9264, 10.8799, 9.7078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1505, 10.8599, 6.4568 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(122, 84, 65)` looks like.

```
.text, #text, p{  
    color:rgb(122, 84, 65)  
}
```

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(122, 84, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 84, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.1505, 10.8599, 6.4568 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(122, 84, 65) }
```


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

```
.border{ border-color:rgb(122, 84, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 84, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 84, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 84, 65);  
box-shadow:4px 4px 4px 4px rgb(122, 84,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1505, 10.8599, 6.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 84, 65) }
```

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

```
.background{ background-color: rgb(122, 84,  
65) }
```

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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