

Converting Colors

XYZ(12.2697, 12.7694, 11.5951)

Have a look what the booklet for
XYZ(12.2697, 12.7694, 11.5951)
contains.

XYZ(12.2512, 12.7260, 11.4835)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2512, 12.7260,
11.4835)**

Conversions

Conversions Part 1

Format	Color
Hex	6A635A
RGB	106, 99, 90
RGB Percent	42%, 39%, 35%
CMY	0.5843, 0.6118, 0.6471
CMYK	0.00, 0.07, 0.15, 0.58
HSL	34°, 8%, 38%
HSV	34°, 15%, 42%
XYZ	12.2512, 12.7260, 11.4835
YIQ	100.0670, 7.0610, -1.3150

Conversions

Conversions Part 2

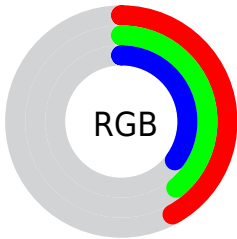
Format	Color
R_{YB}	102, 106, 90
Decimal	6972250
CIE Lab	42.35, 1.07, 6.11
CIE LCh	42, 6.199, 80.030
Yxy	12.7260, 0.3360, 0.3490
Android (android.graphics.Color)	4285162330 (0xFF6A635A)
YUV	100.0670, -4.9630, 5.2032
Hunter-Lab	35.6735, -1.1272, 5.8857

Details

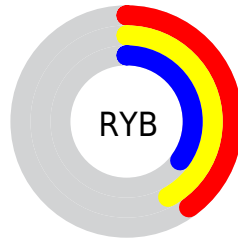
The XYZ color **12.2512, 12.7260, 11.4835** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0927, 11.7636, 15.3219**, and the grayscale version is **12.1415, 12.7738, 13.9106**.

A 20% lighter version of the original color is **29.5446, 30.8742, 29.2131**, and **3.5314, 3.6579, 2.9028** is the 20% darker color. If you saturate the color by 10%, you get **11.4052, 11.7052, 9.1320**, and if you desaturate by 10%, it is **13.1875, 13.8241, 14.1829**.

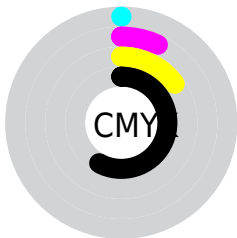
Distribution



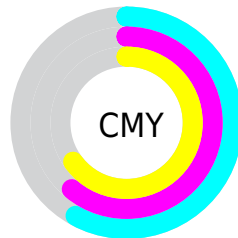
- Red (42%)
- Green (39%)
- Blue (35%)



- Red (40%)
- Yellow (42%)
- Blue (35%)



- Cyan (0%)
- Magenta (7%)
- Yellow (15%)
- Black (58%)



- Cyan (58%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2512, 12.7260, 11.4835 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 12.2512, 12.7260, 11.4835 by changing the saturation by 10% instead.

■ 12.2512, 12.7260,
11.4835

■ 12.2512, 12.7260,
11.4835

199.7974,
209.1541, 211.8104

■ 6.9884, 7.2401,
6.2748

■ 29.5647, 30.8106,
29.2010

■ 3.5011, 3.6127,
2.9414

■ 42.3461, 44.1782,
42.5469

■ 1.4240, 1.4594,
1.0648

■ 58.3645, 60.9418,
59.4423

■ 0.2732, 0.2599,
0.0000

■ 77.9851, 81.4859,
80.3057

■ 0.0000, 0.0000,
0.0000

101.5733,
106.1947, 105.5557

129.4946,

135.4528, 135.6108

162.1141,
169.6444, 170.8895

■ 12.2512, 12.7260,
11.4835

■ 12.2512, 12.7260,
11.4835

■ 11.4052, 11.7052,
9.1320

■ 13.1875, 13.8241,
14.1829

■ 10.6453, 10.7582,
7.1133

■ 14.2160, 14.9997,
17.2430

■ 9.9686, 9.8834,
5.4120

■ 15.3399, 16.2551,
20.6768

■ 9.3714, 9.0787,
4.0117

■ 16.5618, 17.5920,
24.4967

■ 8.8499, 8.3418,
2.8940

■ 17.8843, 19.0121,
28.7142

■ 8.3998, 7.6704,
2.0387

■ 19.3100, 20.5169,
33.3405

■ 8.0163, 7.0616,
1.4229

■ 20.8411, 22.1079,
38.3863

■ 7.6902, 6.5111,
1.0008

■ 22.4799, 23.7867,
43.8618

■ 7.5408, 6.2579,
0.8104

■ 24.2288, 25.5547,
49.7772

Harmonies

Analogous

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



12.6794, 12.7260, 11.9845



12.2512, 12.7260, 11.4835



11.7919, 12.7260, 11.5864

Triad

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



12.2512, 12.7260, 11.4835



11.2746, 12.7260, 14.7525



12.7942, 12.7260, 15.5680

Complementary

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



12.2512, 12.7260, 11.4835



11.0927, 11.7636, 15.3219

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.



12.4046, 12.7260, 16.4052



12.2512, 12.7260, 11.4835



11.5301, 12.7260, 15.9138

Square

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



12.2512, 12.7260, 11.4835



11.2359, 12.7260, 13.4177



11.9415, 12.7260, 16.5357



12.9982, 12.7260, 14.3047

Rectangle

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



12.2512, 12.7260, 11.4835



11.5294, 12.7260, 11.9861



11.9415, 12.7260, 16.5357



12.6802, 12.7260, 15.9119

Sweetspot

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



12.2515, 12.7266, 11.4838



23.1364, 24.2525, 24.8688



11.7673, 11.2435, 12.9084



5.3993, 5.6576, 5.7659



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.2515, 12.7266, 11.4838



20.9785, 21.7102, 18.6822



12.8490, 14.0619, 11.7100



3.2277, 3.3727, 3.2983



9.3242, 7.6982, 0.9945



46.6351, 37.4738, 4.7752

Inverse Universe

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



11.0927, 11.7636, 15.3219



18.5418, 19.6854, 26.7534



10.5526, 10.5671, 15.1194



3.0472, 3.2227, 3.8963



4.4259, 3.6861, 17.4005



21.7167, 17.1120, 88.3846

Previews

White Background



This preview shows how the XYZ color 12.2512, 12.7260, 11.4835 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 12.2512, 12.7260, 11.4835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

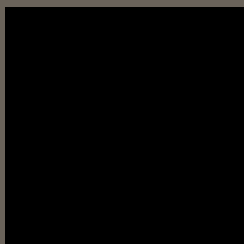
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

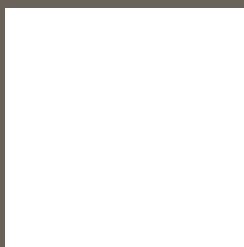
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2512, 12.7260, 11.4835

Background



This preview shows how black text looks on a background with the XYZ color 12.2512, 12.7260, 11.4835.



This preview shows how white text looks on a background with the XYZ color 12.2512, 12.7260,

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

12.2512, 12.7260, 11.4835

Protanopia

12.1116, 12.7956, 11.5043

Deuteranopia

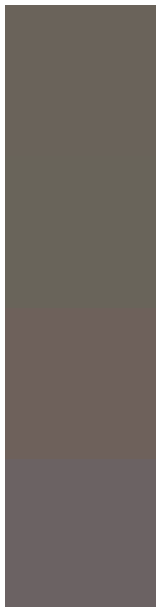
12.8813, 12.6318, 11.6568



Tritanopia

12.9577, 12.7370, 14.8722

Trichromacy



Original Color

12.2512, 12.7260, 11.4835

Protanomaly

12.2283, 12.8558, 11.5098

Deuteranomaly

12.5934, 12.6197, 11.6696

Tritanomaly

12.6832, 12.7620, 13.5992

Monochromacy



Original Color

12.2512, 12.7260, 11.4835

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1480, 12.7837, 12.8936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2512, 12.7260, 11.4835 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(106, 99, 90)` looks like.

```
.text, #text, p{  
    color:rgb(106, 99, 90)  
}
```

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(106, 99, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 99, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.2512, 12.7260, 11.4835 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(106, 99, 90) }
```


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

```
.border{ border-color:rgb(106, 99, 90) }
```

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

Here you see how a box with a 4 pixel rgb(106, 99, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 99, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 99, 90);  
box-shadow:4px 4px 4px 4px rgb(106, 99,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2512, 12.7260, 11.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 99, 90) }
```

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

```
.background{ background-color: rgb(106, 99,  
90) }
```

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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