

Converting Colors

XYZ(14.9682, 16.1033, 12.2519)

Have a look what the booklet for
XYZ(14.9682, 16.1033, 12.2519)
contains.

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Color

**XYZ(15.0186, 16.1256,
12.2185)**

Conversions

Conversions Part 1

Format	Color
Hex	75705B
RGB	117, 112, 91
RGB Percent	46%, 44%, 36%
CMY	0.5412, 0.5608, 0.6431
CMYK	0.00, 0.04, 0.22, 0.54
HSL	48°, 12%, 41%
HSV	48°, 22%, 46%
XYZ	15.0186, 16.1256, 12.2185
YIQ	111.1010, 9.7210, -5.4710

Conversions

Conversions Part 2

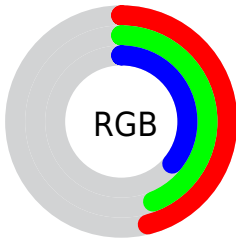
Format	Color
RYB	97, 117, 91
Decimal	7696475
CIELab	47.14, -1.84, 12.39
CIELCh	47, 12.528, 98.433
Yxy	16.1256, 0.3463, 0.3719
Android (android.graphics.Color)	4285886555 (0xFF75705B)
YUV	111.1010, -9.9098, 5.1734
Hunter-Lab	40.1567, -3.5152, 10.0695

Details

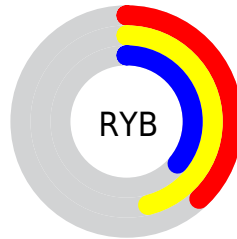
The XYZ color **15.0186, 16.1256, 12.2185** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7080, 11.8739, 18.5044**, and the grayscale version is **15.1650, 15.9547, 17.3747**.

A 20% lighter version of the original color is **34.4454, 36.9090, 30.5080**, and **4.6909, 5.0852, 3.2169** is the 20% darker color. If you saturate the color by 10%, you get **14.3079, 15.4498, 9.6827**, and if you desaturate by 10%, it is **15.8151, 16.8467, 15.1716**.

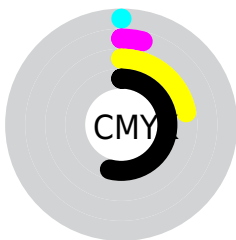
Distribution



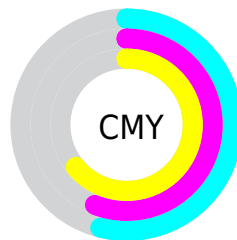
- Red (46%)
- Green (44%)
- Blue (36%)



- Red (38%)
- Yellow (46%)
- Blue (36%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0186, 16.1256, 12.2185 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 15.0186, 16.1256, 12.2185 by changing the saturation by 10% instead.

■ 15.0186, 16.1256,
12.2185

■ 15.0186, 16.1256,
12.2185

216.8649,
230.0817, 216.8755

■ 8.9188, 9.6131,
6.7683

■ 34.4572, 36.8161,
30.5628

■ 4.7450, 5.1432,
3.2414

■ 48.5267, 51.7629,
44.2939

■ 2.1316, 2.3315,
1.2192

■ 65.9836, 70.2899,
61.6225

■ 0.7063, 0.7903,
0.0000

■ 87.1931, 92.7815,
82.9670

■ 0.0000, 0.0000,
0.0000

112.5206,
119.6220, 108.7461

142.3316,

151.1960, 139.3781

176.9912,
187.8878, 175.2818

■ 15.0186, 16.1256,
12.2185

■ 15.0186, 16.1256,
12.2185

■ 14.3079, 15.4498,
9.6827

■ 15.8151, 16.8467,
15.1716

■ 13.6780, 14.8156,
7.5440

■ 16.6995, 17.6125,
18.5589

■ 13.1253, 14.2221,
5.7821

■ 17.6755, 18.4249,
22.3976

■ 12.6457, 13.6675,
4.3743

■ 18.7463, 19.2853,
26.7037

■ 12.2341, 13.1498,
3.2958

■ 19.9146, 20.1950,
31.4923

■ 11.8853, 12.6667,
2.5183

■ 21.1833, 21.1551,
36.7781

■ 11.5929, 12.2156,
2.0082

■ 22.5551, 22.1668,
42.5748

■ 11.3847, 11.8790,
1.6928

■ 24.0326, 23.2311,
48.8958

■ 25.6182, 24.3491,
55.7540

Harmonies

Analogous

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



16.1182, 16.1256, 12.5025



15.0186, 16.1256, 12.2185



14.0485, 16.1256, 13.2248

Triad

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



15.0186, 16.1256, 12.2185



13.7280, 16.1256, 21.6019



17.3808, 16.1256, 19.8819

Complementary

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



15.0186, 16.1256, 12.2185



11.7080, 11.8739, 18.5044

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.



16.6806, 16.1256, 22.7474



15.0186, 16.1256, 12.2185



14.5619, 16.1256, 23.8202

Square

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



15.0186, 16.1256, 12.2185



13.3271, 16.1256, 18.4621



15.6394, 16.1256, 24.2627



17.5174, 16.1256, 16.6840

Rectangle

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



15.0186, 16.1256, 12.2185



13.5933, 16.1256, 14.5720



15.6394, 16.1256, 24.2627



17.2019, 16.1256, 20.9264

Sweetspot

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



15.0190, 16.1263, 12.2188



29.0984, 30.8485, 30.1262



13.1979, 12.1125, 12.7572



6.6760, 7.0803, 6.8722



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.0190, 16.1263, 12.2188



26.1789, 28.2046, 19.3031



14.5810, 16.7419, 12.3607



3.9097, 4.1524, 3.9377



12.5329, 13.0670, 1.8616



60.4789, 62.4864, 8.8735

Inverse Universe

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



11.7080, 11.8739, 18.5044



19.0645, 19.0683, 32.8127



12.0759, 11.4081, 18.3952



3.5524, 3.6934, 4.6159



3.8546, 2.0489, 18.7349



18.2978, 9.0121, 91.1354

Previews

White Background



This preview shows how the XYZ color 15.0186, 16.1256, 12.2185 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 15.0186, 16.1256, 12.2185 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

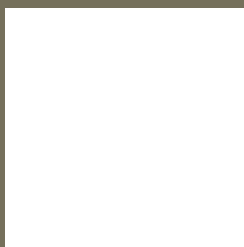
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0186, 16.1256, 12.2185

Background



This preview shows how black text looks on a background with the XYZ color 15.0186, 16.1256, 12.2185.



This preview shows how white text looks on a background with the XYZ color 15.0186, 16.1256,

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

15.0186, 16.1256, 12.2185

Protanopia

15.1537, 16.1952, 12.2248

Deuteranopia

16.2427, 15.9552, 12.3488



Tritanopia

16.3192, 16.0025, 19.0583

Trichromacy



Original Color

15.0186, 16.1256, 12.2185

Protanomaly

15.1537, 16.1952, 12.2248

Deuteranomaly

15.8579, 16.0700, 12.3912

Tritanomaly

15.7832, 15.9419, 16.4326

Monochromacy



Original Color

15.0186, 16.1256, 12.2185

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.9932, 15.8791, 15.3714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0186, 16.1256, 12.2185 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(117, 112, 91)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 91)  
}
```

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(117, 112, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.0186, 16.1256, 12.2185 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(117, 112, 91) }
```


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

```
.border{ border-color:rgb(117, 112, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 91);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0186, 16.1256, 12.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 91) }
```

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

```
.background{ background-color: rgb(117,  
112, 91) }
```

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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