

Converting Colors

XYZ(10.2985, 12.6832, 4.4903)

Have a look what the booklet for
XYZ(10.2985, 12.6832, 4.4903)
contains.

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Color

**XYZ(10.3686, 12.7872,
4.5065)**

Conversions

Conversions Part 1

Format	Color
Hex	60692E
RGB	96, 105, 46
RGB Percent	38%, 41%, 18%
CMY	0.6235, 0.5882, 0.8196
CMYK	0.09, 0.00, 0.56, 0.59
HSL	69°, 39%, 30%
HSV	69°, 56%, 41%
XYZ	10.3686, 12.7872, 4.5065
YIQ	95.5830, 13.5750, -20.2570

Conversions

Conversions Part 2

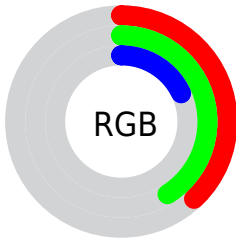
Format	Color
R _Y B	46, 105, 55
Decimal	6318382
CIE Lab	42.44, -12.99, 31.58
CIE LCh	42, 34.147, 112.364
Yxy	12.7872, 0.3748, 0.4623
Android (android.graphics.Color)	4284508462 (0xFF60692E)
YUV	95.5830, -24.4444, 0.3657
Hunter-Lab	35.7592, -10.8214, 17.5595

Details

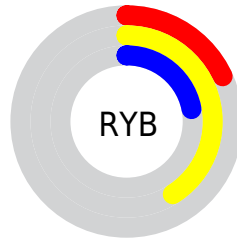
The XYZ color **10.3686, 12.7872, 4.5065** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.1028, 3.7865, 13.8273**, and the grayscale version is **11.0725, 11.6491, 12.6859**.

A 20% lighter version of the original color is **26.1216, 30.8810, 15.1735**, and **2.7320, 3.6545, 0.5614** is the 20% darker color. If you saturate the color by 10%, you get **10.0197, 12.6288, 3.5390**, and if you desaturate by 10%, it is **10.7722, 12.9688, 5.7416**.

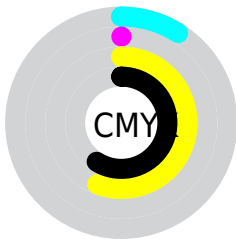
Distribution



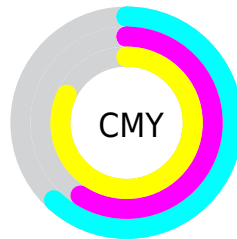
- Red (38%)
- Green (41%)
- Blue (18%)



- Red (18%)
- Yellow (41%)
- Blue (22%)



- Cyan (9%)
- Magenta (0%)
- Yellow (56%)
- Black (59%)



- Cyan (62%)
- Magenta (59%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3686, 12.7872, 4.5065 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 10.3686, 12.7872, 4.5065 by changing the saturation by 10% instead.

■ 10.3686, 12.7872,
4.5065

■ 10.3686, 12.7872,
4.5065

187.2821,
209.5493, 153.6989

■ 5.7082, 7.2822,
1.9071

■ 26.1300, 30.9209,
15.1620

■ 2.7074, 3.6392,
0.4973

■ 37.9616, 44.3185,
24.0552

■ 1.0010, 1.4739,
0.0000

■ 52.9143, 61.1156,
35.8835

■ 0.0000, 0.2702,
0.0000

■ 71.3535, 81.6967,
51.0653

■ 0.0000, 0.0000,
0.0000

■ 93.6446, 106.4463,
70.0192

■ 120.1528,

135.7486, 93.1637

151.2435,
169.9882, 120.9175

■ 10.3686, 12.7872,
4.5065

■ 10.3686, 12.7872,
4.5065

■ 10.0197, 12.6288,
3.5390

■ 10.7722, 12.9688,
5.7416

■ 9.7209, 12.4904,
2.8183

■ 11.2330, 13.1732,
7.2612

■ 9.4680, 12.3708,
2.3223

■ 11.7544, 13.4022,
9.0820

■ 9.2506, 12.2657,
1.9949

■ 12.3394, 13.6571,
11.2189

■ 9.1698, 12.2266,
1.8767

■ 12.9905, 13.9388,
13.6861

■ 13.7104, 14.2484,
16.4967

■ 14.5013, 14.5869,
19.6631

■ 15.3657, 14.9552,
23.1974

■ 16.3056, 15.3541,
27.1107

Harmonies

Analogous

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



12.8226, 12.7872, 4.0781



10.3686, 12.7872, 4.5065



8.6449, 12.7872, 6.9446

Triad

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



10.3686, 12.7872, 4.5065



9.3786, 12.7872, 28.4101



17.7403, 12.7872, 15.8901

Complementary

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



10.3686, 12.7872, 4.5065



5.1028, 3.7865, 13.8273

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.



16.5031, 12.7872, 24.4792



10.3686, 12.7872, 4.5065



11.5088, 12.7872, 33.1929

Square

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



10.3686, 12.7872, 4.5065



8.1320, 12.7872, 20.0332



14.1331, 12.7872, 31.5450



17.3217, 12.7872, 9.2019

Rectangle

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



10.3686, 12.7872, 4.5065



8.0258, 12.7872, 10.0596



14.1331, 12.7872, 31.5450



17.4989, 12.7872, 18.6672

Sweetspot

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



10.3689, 12.7878, 4.5068



21.9513, 24.3914, 19.5576



7.6784, 5.9190, 3.3228



5.1080, 5.6988, 4.4553



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.



10.3689, 12.7878, 4.5068



17.7854, 22.5409, 5.9408



7.8360, 11.4820, 4.3882



3.2900, 3.5613, 3.3314



11.5859, 15.4679, 2.3750



58.4490, 78.5137, 12.0741

Inverse Universe

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



5.1028, 3.7865, 13.8273



7.3556, 4.6826, 24.4472



7.2148, 4.8753, 13.9261



2.9875, 3.0453, 3.8652



3.4761, 1.4190, 17.0129



17.2266, 6.9802, 86.6656

Previews

White Background



This preview shows how the XYZ color 10.3686, 12.7872, 4.5065 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 10.3686, 12.7872, 4.5065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

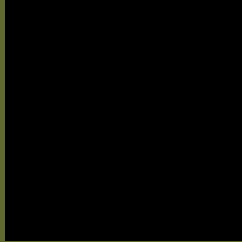
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3686, 12.7872, 4.5065

Background



This preview shows how black text looks on a background with the XYZ color 10.3686, 12.7872, 4.5065.



This preview shows how white text looks on a background with the XYZ color 10.3686, 12.7872,

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

10.3686, 12.7872, 4.5065

Protanopia

11.5864, 12.6833, 4.3201

Deuteranopia

12.8150, 12.6171, 4.6657



Tritanopia

12.6569, 12.8479, 15.4485

Trichromacy



Original Color

10.3686, 12.7872, 4.5065

Protanomaly

11.1689, 12.7564, 4.3562

Deuteranomaly

11.8054, 12.6478, 4.6154

Tritanomaly

11.5094, 12.6568, 10.2239

Monochromacy



Original Color

10.3686, 12.7872, 4.5065

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.6609, 11.9605, 8.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3686, 12.7872, 4.5065 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(96, 105, 46) looks like.

```
.text, #text, p{  
    color:rgb(96, 105, 46)  
}
```

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(96, 105, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 105, 46) }
```

Border

The CSS property to change the border of an element to XYZ 10.3686, 12.7872, 4.5065 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(96, 105, 46) }
```


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

```
.border{ border-color:rgb(96, 105, 46) }
```

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

Here you see how a box with a 4 pixel rgb(96, 105, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 105, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 105, 46);  
box-shadow:4px 4px 4px 4px rgb(96, 105,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3686, 12.7872, 4.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 105, 46) }
```

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

```
.background{ background-color: rgb(96, 105,  
46) }
```

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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