

Converting Colors

XYZ(11.9880, 12.9311, 6.9863)

Have a look what the booklet for
XYZ(11.9880, 12.9311, 6.9863)
contains.

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Color

**XYZ(12.0675, 13.0157,
7.0305)**

Conversions

Conversions Part 1

Format	Color
Hex	6E6542
RGB	110, 101, 66
RGB Percent	43%, 40%, 26%
CMY	0.5686, 0.6039, 0.7412
CMYK	0.00, 0.08, 0.40, 0.57
HSL	48°, 25%, 35%
HSV	48°, 40%, 43%
XYZ	12.0675, 13.0157, 7.0305
YIQ	99.7010, 16.5990, -8.9770

Conversions

Conversions Part 2

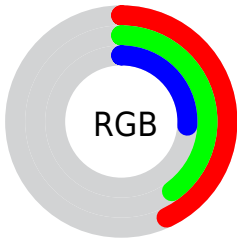
Format	Color
RYB	77, 110, 66
Decimal	7234882
CIELab	42.79, -2.09, 21.12
CIELCh	43, 21.223, 95.650
Yxy	13.0157, 0.3758, 0.4053
Android (android.graphics.Color)	4285424962 (0xFF6E6542)
YUV	99.7010, -16.6146, 9.0322
Hunter-Lab	36.0773, -3.4287, 13.7001

Details

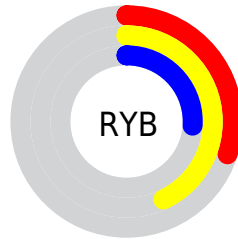
The XYZ color **12.0675, 13.0157, 7.0305** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.5773, 7.3161, 15.7648**, and the grayscale version is **12.0752, 12.7041, 13.8348**.

A 20% lighter version of the original color is **29.1658, 31.3528, 20.4341**, and **3.3885, 3.6884, 1.2924** is the 20% darker color. If you saturate the color by 10%, you get **11.5586, 12.4679, 5.4119**, and if you desaturate by 10%, it is **12.6454, 13.6016, 8.9803**.

Distribution



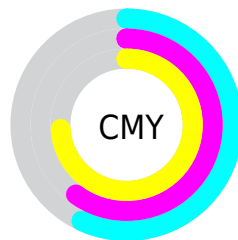
- Red (43%)
- Green (40%)
- Blue (26%)



- Red (30%)
- Yellow (43%)
- Blue (26%)



- Cyan (0%)
- Magenta (8%)
- Yellow (40%)
- Black (57%)



- Cyan (57%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0675, 13.0157, 7.0305 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 12.0675, 13.0157, 7.0305 by changing the saturation by 10% instead.

12.0675, 13.0157,
7.0305

12.0675, 13.0157,
7.0305

198.6124,
211.0183, 177.5574

6.8622, 7.4394,
3.4024

29.2338, 31.3320,
20.5485

3.4216, 3.7384,
1.3036

41.9254, 44.8407,
31.2754

1.3805, 1.5283,
0.0648

57.8433, 61.7624,
45.2058

0.2422, 0.3085,
0.0000

77.3527, 82.4813,
62.7581

0.0000, 0.0000,
0.0000

100.8189,
107.3820, 84.3509

128.6074,

136.8488, 110.4027

161.0834,
171.2661, 141.3320

■ 12.0675, 13.0157,
7.0305

■ 12.0675, 13.0157,
7.0305

■ 11.5586, 12.4679,
5.4119

■ 12.6454, 13.6016,
8.9803

■ 11.1141, 11.9549,
4.1047

■ 13.2948, 14.2253,
11.2778

■ 10.7304, 11.4756,
3.0884

■ 14.0190, 14.8886,
13.9396

■ 10.4029, 11.0281,
2.3394

■ 14.8210, 15.5928,
16.9808

■ 10.1265, 10.6103,
1.8309

■ 15.7035, 16.3392,
20.4157

■ 9.8798, 10.2137,
1.4507

■ 16.6692, 17.1286,
24.2579

■ 9.8798, 10.2136,
1.4507

■ 17.7206, 17.9624,
28.5203

■ 18.8600, 18.8415,
33.2152

■ 20.0897, 19.7668,
38.3545

Harmonies

Analogous

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



13.6974, 13.0157, 7.5102



12.0675, 13.0157, 7.0305



10.6463, 13.0157, 8.0989

Triad

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



12.0675, 13.0157, 7.0305



10.0131, 13.0157, 20.0195



15.4246, 13.0157, 18.1684

Complementary

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



12.0675, 13.0157, 7.0305



7.5773, 7.3161, 15.7648

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.



14.2726, 13.0157, 22.7066



12.0675, 13.0157, 7.0305



11.1331, 13.0157, 23.9280

Square

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



12.0675, 13.0157, 7.0305



9.5283, 13.0157, 15.0666



12.6796, 13.0157, 25.0053



15.7294, 13.0157, 13.3133

Rectangle

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



12.0675, 13.0157, 7.0305



9.9780, 13.0157, 9.7188



12.6796, 13.0157, 25.0053



15.1190, 13.0157, 19.8119

Sweetspot

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



12.0678, 13.0163, 7.0308



24.3128, 25.8705, 23.3373



9.6671, 7.7269, 7.7348



5.6313, 5.9962, 5.3327



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.0678, 13.0163, 7.0308



20.3595, 21.9631, 9.6901



11.5462, 14.1162, 7.2706



3.5868, 3.8061, 3.6189



11.8480, 12.2284, 1.7359



58.3950, 59.6651, 8.4388

Inverse Universe

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



7.5773, 7.3161, 15.7648



11.2987, 10.4675, 27.3322



7.9431, 6.6619, 15.6192



3.2678, 3.4009, 4.2384



3.7183, 2.0269, 17.9169



18.0082, 9.0683, 89.0804

Previews

White Background



This preview shows how the XYZ color 12.0675, 13.0157, 7.0305 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 12.0675, 13.0157, 7.0305 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 12.0675, 13.0157, 7.0305

Background



This preview shows how black text looks on a background with the XYZ color 12.0675, 13.0157, 7.0305.



This preview shows how white text looks on a background with the XYZ color 12.0675, 13.0157,

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

12.0675, 13.0157, 7.0305

Protanopia

12.0675, 13.0157, 7.0305

Deuteranopia

13.1730, 13.0196, 7.1289



Tritanopia

13.6210, 12.9426, 14.8770

Trichromacy



Original Color

12.0675, 13.0157, 7.0305

Protanomaly

12.0675, 13.0157, 7.0305

Deuteranomaly

12.7169, 12.9225, 7.1342

Tritanomaly

13.0232, 12.9843, 11.4927

Monochromacy



Original Color

12.0675, 13.0157, 7.0305

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0275, 12.7620, 11.0619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0675, 13.0157, 7.0305 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(110, 101, 66)` looks like.

```
.text, #text, p{  
    color:rgb(110, 101, 66)  
}
```

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(110, 101, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 101, 66) }
```

Border

The CSS property to change the border of an element to XYZ 12.0675, 13.0157, 7.0305 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(110, 101, 66) }
```


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

```
.border{ border-color:rgb(110, 101, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 101, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 101, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 101, 66);  
box-shadow:4px 4px 4px 4px rgb(110, 101,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0675, 13.0157, 7.0305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 101, 66) }
```

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

```
.background{ background-color: rgb(110,  
101, 66) }
```

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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