

Converting Colors

XYZ(12.7402, 14.3506, 6.0430)

Have a look what the booklet for
XYZ(12.7402, 14.3506, 6.0430)
contains.

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Color

**XYZ(12.7035, 14.2656,
6.0870)**

Conversions

Conversions Part 1

Format	Color
Hex	706B3A
RGB	112, 107, 58
RGB Percent	44%, 42%, 23%
CMY	0.5608, 0.5804, 0.7725
CMYK	0.00, 0.04, 0.48, 0.56
HSL	54°, 32%, 33%
HSV	54°, 48%, 44%
XYZ	12.7035, 14.2656, 6.0870
YIQ	102.9090, 18.7090, -14.1790

Conversions

Conversions Part 2

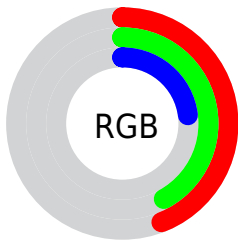
Format	Color
RYB	64, 112, 58
Decimal	7367482
CIELab	44.61, -5.61, 28.03
CIElCh	45, 28.586, 101.327
Yxy	14.2656, 0.3843, 0.4316
Android (android.graphics.Color)	4285557562 (0xFF706B3A)
YUV	102.9090, -22.1401, 7.9728
Hunter-Lab	37.7698, -6.0605, 16.8837

Details

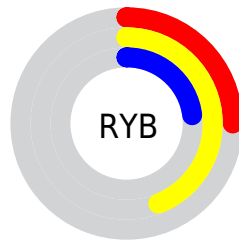
The XYZ color **12.7035, 14.2656, 6.0870** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.4471, 5.6243, 16.0750**, and the grayscale version is **12.9216, 13.5945, 14.8044**.

A 20% lighter version of the original color is **30.3454, 33.4937, 18.5012**, and **3.6751, 4.2849, 1.0141** is the 20% darker color. If you saturate the color by 10%, you get **12.3418, 13.9496, 4.7104**, and if you desaturate by 10%, it is **13.1292, 14.6104, 7.7912**.

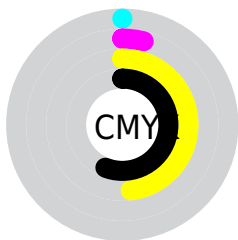
Distribution



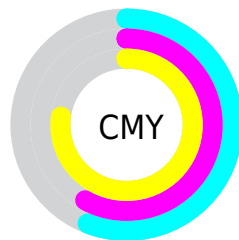
- Red (44%)
- Green (42%)
- Blue (23%)



- Red (25%)
- Yellow (44%)
- Blue (23%)



- Cyan (0%)
- Magenta (4%)
- Yellow (48%)
- Black (56%)



- Cyan (56%)
- Magenta (58%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7035, 14.2656, 6.0870 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 12.7035, 14.2656, 6.0870 by changing the saturation by 10% instead.

■ 12.7035, 14.2656,
6.0870

■ 12.7035, 14.2656,
6.0870

202.6848,
218.8769, 169.1781

■ 7.3003, 8.3056,
2.8284

■ 30.3759, 33.5596,
18.5920

■ 3.6986, 4.2911,
1.0077

■ 43.3759, 47.6623,
28.6755

■ 1.5331, 1.8377,
0.0000

■ 59.6388, 65.2482,
41.8710

■ 0.3482, 0.5105,
0.0000

■ 79.5299, 86.7014,
58.5971

■ 0.0000, 0.0000,
0.0000

■ 103.4148,
112.4066, 79.2723

■ 131.6586,

142.7479, 104.3152

164.6269,
178.1099, 134.1443

■ 12.7035, 14.2656,
6.0870

■ 12.7035, 14.2656,
6.0870

■ 12.3418, 13.9496,
4.7104

■ 13.1292, 14.6104,
7.7912

■ 12.0389, 13.6586,
3.6392

■ 13.6217, 14.9833,
9.8416

■ 11.7908, 13.3916,
2.8496

■ 14.1845, 15.3866,
12.2564

■ 11.5921, 13.1465,
2.3142

■ 14.8210, 15.8214,
15.0525

■ 11.4268, 12.9167,
1.9484

■ 15.5340, 16.2889,
18.2454

■ 11.3977, 12.8760,
1.8846

■ 16.3265, 16.7903,
21.8499

■ 17.2011, 17.3267,
25.8802

■ 18.1602, 17.8990,
30.3496

■ 19.2065, 18.5082,
35.2708

Harmonies

Analogous

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



15.0345, 14.2656, 6.3162



12.7035, 14.2656, 6.0870



10.8272, 14.2656, 7.7924

Triad

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



12.7035, 14.2656, 6.0870



10.4838, 14.2656, 25.5622



18.2277, 14.2656, 19.9817

Complementary

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



12.7035, 14.2656, 6.0870



6.4471, 5.6243, 16.0750

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.



16.7156, 14.2656, 27.2058



12.7035, 14.2656, 6.0870



12.1834, 14.2656, 31.0081

Square

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



12.7035, 14.2656, 6.0870



9.6464, 14.2656, 18.1733



14.4521, 14.2656, 31.6831



18.4080, 14.2656, 13.1613

Rectangle

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



12.7035, 14.2656, 6.0870



10.0169, 14.2656, 10.1845



14.4521, 14.2656, 31.6831



17.8509, 14.2656, 22.4865

Sweetspot

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



12.7038, 14.2663, 6.0873



25.3333, 27.3177, 23.3400



9.1037, 6.8344, 5.6010



6.0413, 6.5320, 5.4109



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.7038, 14.2663, 6.0873



21.6063, 24.4368, 7.9995



10.8134, 14.0876, 6.1525



3.6168, 3.8661, 3.6289



13.1679, 14.8684, 2.1759



65.2610, 73.3972, 10.7275

Inverse Universe

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



6.4471, 5.6243, 16.0750



9.1840, 7.2863, 27.8521



7.7124, 5.8843, 16.0585



3.2402, 3.3456, 4.2292



3.5018, 1.5939, 17.8447



17.1468, 7.3454, 88.7932

Previews

White Background



This preview shows how the XYZ color 12.7035, 14.2656, 6.0870 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 12.7035, 14.2656, 6.0870 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

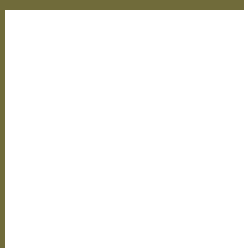
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7035, 14.2656, 6.0870

Background



This preview shows how black text looks on a background with the XYZ color 12.7035, 14.2656, 6.0870.



This preview shows how white text looks on a background with the XYZ color 12.7035, 14.2656,

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

12.7035, 14.2656, 6.0870

Protanopia

13.1202, 14.3266, 6.0768

Deuteranopia

14.5226, 14.3007, 6.2699



Tritanopia

14.7501, 14.1934, 16.4302

Trichromacy



Original Color

12.7035, 14.2656, 6.0870

Protanomaly

12.9880, 14.2584, 6.0706

Deuteranomaly

13.8080, 14.2272, 6.1560

Tritanomaly

13.7659, 14.0835, 11.6657

Monochromacy



Original Color

12.7035, 14.2656, 6.0870

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6145, 13.6529, 10.9872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7035, 14.2656, 6.0870 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(112, 107, 58)` looks like.

```
.text, #text, p{  
    color:rgb(112, 107, 58)  
}
```

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(112, 107, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 107, 58) }
```

Border

The CSS property to change the border of an element to XYZ 12.7035, 14.2656, 6.0870 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(112, 107, 58) }
```


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

```
.border{ border-color:rgb(112, 107, 58) }
```

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

Here you see how a box with a 4 pixel rgb(112, 107, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 107, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 107, 58);  
box-shadow:4px 4px 4px 4px rgb(112, 107,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7035, 14.2656, 6.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 107, 58) }
```

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

```
.background{ background-color: rgb(112,  
107, 58) }
```

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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