

Converting Colors

XYZ(12.4227, 13.8089, 6.2856)

Have a look what the booklet for
XYZ(12.4227, 13.8089, 6.2856)
contains.

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Color

**XYZ(12.4227, 13.8089,
6.2856)**

Conversions

Conversions Part 1

Format	Color
Hex	6F693C
RGB	111, 105, 60
RGB Percent	44%, 41%, 24%
CMY	0.5647, 0.5882, 0.7647
CMYK	0.00, 0.05, 0.46, 0.56
HSL	53°, 30%, 34%
HSV	53°, 46%, 44%
XYZ	12.4227, 13.8089, 6.2856
YIQ	101.6640, 18.0210, -12.7230

Conversions

Conversions Part 2

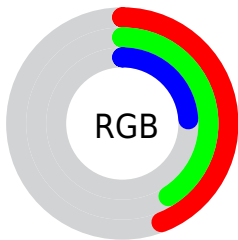
Format	Color
RYB	67, 111, 60
Decimal	7301436
CIELab	43.96, -4.69, 26.08
CIElCh	44, 26.498, 100.203
Yxy	13.8089, 0.3820, 0.4247
Android (android.graphics.Color)	4285491516 (0xFF6F693C)
YUV	101.6640, -20.5404, 8.1877
Hunter-Lab	37.1603, -5.3580, 15.9834

Details

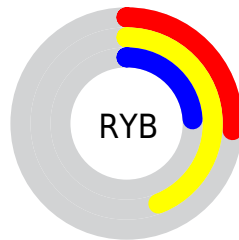
The XYZ color **12.4227, 13.8089, 6.2856** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.6809, 6.0045, 15.8457**, and the grayscale version is **12.5905, 13.2462, 14.4251**.

A 20% lighter version of the original color is **29.9051, 32.7522, 18.9330**, and **3.5859, 4.0847, 1.0514** is the 20% darker color. If you saturate the color by 10%, you get **12.0278, 13.4403, 4.8551**, and if you desaturate by 10%, it is **12.8819, 14.2074, 8.0416**.

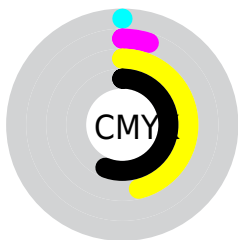
Distribution



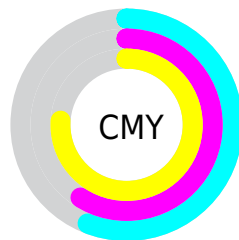
- Red (44%)
- Green (41%)
- Blue (24%)



- Red (26%)
- Yellow (44%)
- Blue (24%)



- Cyan (0%)
- Magenta (5%)
- Yellow (46%)
- Black (56%)



- Cyan (56%)
- Magenta (59%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4227, 13.8089, 6.2856 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 12.4227, 13.8089, 6.2856 by changing the saturation by 10% instead.

12.4227, 13.8089,
6.2856

12.4227, 13.8089,
6.2856

200.8972,
216.0387, 170.9873

7.1065, 7.9879,
2.9479

29.8729, 32.7496,
19.0087

3.5757, 4.0872,
1.0681

42.7376, 46.6380,
29.2312

1.4650, 1.7225,
0.0000

58.8491, 63.9843,
42.5856

0.3018, 0.4381,
0.0000

78.5729, 85.1730,
59.4907

0.0000, 0.0000,
0.0000

102.2742,
110.5884, 80.3648

130.3185,

140.6149, 105.6266

163.0710,
175.6368, 135.6946

■ 12.4227, 13.8089,
6.2856

■ 12.4227, 13.8089,
6.2856

■ 12.0278, 13.4403,
4.8551

■ 12.8819, 14.2074,
8.0416

■ 11.6922, 13.0983,
3.7289

■ 13.4080, 14.6355,
10.1411

■ 11.4121, 12.7816,
2.8845

■ 14.0046, 15.0951,
12.6015

■ 11.1824, 12.4884,
2.2959

■ 14.6747, 15.5873,
15.4390

■ 10.9926, 12.2143,
1.9075

■ 15.4212, 16.1135,
18.6687

■ 10.9183, 12.1052,
1.7611

■ 16.2469, 16.6747,
22.3048

■ 17.1543, 17.2719,
26.3611

■ 18.1460, 17.9061,
30.8504

■ 19.2241, 18.5783,
35.7850

Harmonies

Analogous

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



14.5403, 13.8089, 6.5696



12.4227, 13.8089, 6.2856



10.6876, 13.8089, 7.8209

Triad

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



12.4227, 13.8089, 6.2856



10.2767, 13.8089, 23.8019



17.3017, 13.8089, 19.3012

Complementary

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



12.4227, 13.8089, 6.2856



6.6809, 6.0045, 15.8457

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.



15.9072, 13.8089, 25.7078



12.4227, 13.8089, 6.2856



11.8046, 13.8089, 28.7490

Square

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



12.4227, 13.8089, 6.2856



9.5391, 13.8089, 17.1781



13.8532, 13.8089, 29.5269



17.5127, 13.8089, 13.0790

Rectangle

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



12.4227, 13.8089, 6.2856



9.9240, 13.8089, 9.9908



13.8532, 13.8089, 29.5269



16.9493, 13.8089, 21.5439

Sweetspot

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



12.4230, 13.8095, 6.2859



25.2566, 27.1644, 23.3145



9.1786, 7.0142, 6.1491



6.0207, 6.4909, 5.4041



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.



12.4230, 13.8095, 6.2859



21.5020, 24.0323, 8.5686



10.9437, 13.9859, 6.3979



3.6100, 3.8526, 3.6267



12.8541, 14.2406, 2.0712



63.6219, 70.1189, 10.1811

Inverse Universe

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



6.6809, 6.0045, 15.8457



9.8479, 8.1990, 27.9933



7.6848, 6.0290, 15.7975



3.2463, 3.3579, 4.2313



3.5393, 1.6690, 17.8572



17.2840, 7.6199, 88.8389

Previews

White Background



This preview shows how the XYZ color 12.4227, 13.8089, 6.2856 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 12.4227, 13.8089, 6.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

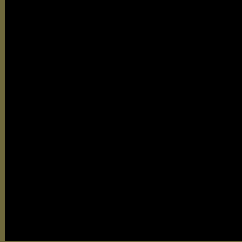
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4227, 13.8089, 6.2856

Background



This preview shows how black text looks on a background with the XYZ color 12.4227, 13.8089, 6.2856.



This preview shows how white text looks on a background with the XYZ color 12.4227, 13.8089,

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

12.4227, 13.8089, 6.2856

Protanopia

12.7054, 13.8043, 6.2698

Deuteranopia

13.9083, 13.6962, 6.3255



Tritanopia

14.3181, 13.6982, 15.7993

Trichromacy



Original Color

12.4227, 13.8089, 6.2856

Protanomaly

12.5760, 13.7376, 6.2638

Deuteranomaly

13.3811, 13.7092, 6.3558

Tritanomaly

13.4386, 13.6230, 11.5941

Monochromacy



Original Color

12.4227, 13.8089, 6.2856

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3962, 13.3919, 10.9484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4227, 13.8089, 6.2856 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(111, 105, 60)` looks like.

```
.text, #text, p{  
    color:rgb(111, 105, 60)  
}
```

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(111, 105, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 105, 60) }
```

Border

The CSS property to change the border of an element to XYZ 12.4227, 13.8089, 6.2856 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(111, 105, 60) }
```


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

```
.border{ border-color:rgb(111, 105, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 105, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 105, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 105, 60);  
box-shadow:4px 4px 4px 4px rgb(111, 105,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4227, 13.8089, 6.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 105, 60) }
```

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

```
.background{ background-color: rgb(111,  
105, 60) }
```

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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