

Converting Colors

XYZ(12.1701, 13.8772, 6.7676)

Have a look what the booklet for
XYZ(12.1701, 13.8772, 6.7676)
contains.

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Color

**XYZ(12.1146, 13.7927,
6.7264)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6A3F
RGB	107, 106, 63
RGB Percent	42%, 42%, 25%
CMY	0.5804, 0.5843, 0.7529
CMYK	0.00, 0.01, 0.41, 0.58
HSL	59°, 26%, 33%
HSV	59°, 41%, 42%
XYZ	12.1146, 13.7927, 6.7264
YIQ	101.3970, 14.3990, -13.1610

Conversions

Conversions Part 2

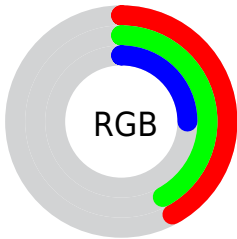
Format	Color
RYB	64, 107, 63
Decimal	7039551
CIELab	43.93, -6.71, 24.27
CIELCh	44, 25.182, 105.449
Yxy	13.7927, 0.3712, 0.4227
Android (android.graphics.Color)	4285229631 (0xFF6B6A3F)
YUV	101.3970, -18.9297, 4.9138
Hunter-Lab	37.1385, -6.7657, 15.2586

Details

The XYZ color **12.1146, 13.7927, 6.7264** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.5371, 5.7849, 14.6819**, and the grayscale version is **12.5175, 13.1694, 14.3415**.

A 20% lighter version of the original color is **29.2243, 32.6326, 19.7974**, and **3.4264, 4.0745, 1.2220** is the 20% darker color. If you saturate the color by 10%, you get **11.8194, 13.6352, 5.2934**, and if you desaturate by 10%, it is **12.4687, 13.9749, 8.4662**.

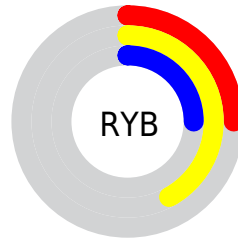
Distribution



Red (42%)

Green (42%)

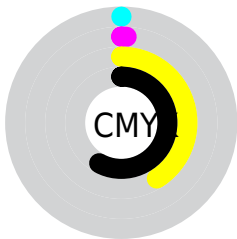
Blue (25%)



Red (25%)

Yellow (42%)

Blue (25%)

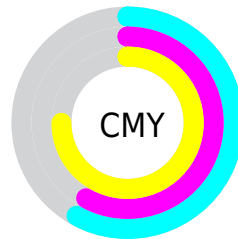


Cyan (0%)

Magenta (1%)

Yellow (41%)

Black (58%)



Cyan (58%)


Magenta (58%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1146, 13.7927, 6.7264 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 12.1146, 13.7927, 6.7264 by changing the saturation by 10% instead.


 12.1146, 13.7927,
6.7264


 12.1146, 13.7927,
6.7264


198.9170,
215.9374, 174.9143


 6.8945, 7.9766,
3.2157


 29.3187, 32.7208,
19.9241


 3.4420, 4.0800,
1.2058

 42.0334, 46.6015,
30.4481


 1.3916, 1.7184,
0.0000

 57.9771, 63.9393,
44.1471

 0.2502, 0.4355,
0.0000

 77.5151, 85.1185,
61.4395

 0.0000, 0.0000,
0.0000

 101.0127,
110.5235, 82.7439

 128.8353,

140.5387, 108.4788

161.3483,
175.5486, 139.0628

■ 12.1146, 13.7927,
6.7264

■ 12.1146, 13.7927,
6.7264

■ 11.8194, 13.6352,
5.2934

■ 12.4687, 13.9749,
8.4662

■ 11.5787, 13.4991,
4.1486

■ 12.8838, 14.1811,
10.5283

■ 11.3891, 13.3836,
3.2725

■ 13.3631, 14.4131,
12.9283

■ 11.2464, 13.2869,
2.6431

■ 13.9094, 14.6719,
15.6804

■ 11.1457, 13.2071,
2.2346

■ 14.5251, 14.9587,
18.7981

■ 11.0718, 13.1426,
1.9532

■ 15.2128, 15.2744,
22.2940

■ 15.9746, 15.6198,
26.1803

■ 16.8129, 15.9960,
30.4685

■ 17.7296, 16.4036,
35.1699

Harmonies

Analogous

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



14.0965, 13.7927, 6.7003



12.1146, 13.7927, 6.7264



10.5629, 13.7927, 8.5572

Triad

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



12.1146, 13.7927, 6.7264



10.5998, 13.7927, 24.2796



17.1814, 13.7927, 17.9486

Complementary

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



12.1146, 13.7927, 6.7264



6.5371, 5.7849, 14.6819

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.



16.0357, 13.7927, 24.1122



12.1146, 13.7927, 6.7264



12.1698, 13.7927, 28.3489

Square

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



12.1146, 13.7927, 6.7264



9.7507, 13.7927, 18.1366



14.1575, 13.7927, 28.2809



17.1627, 13.7927, 12.2789

Rectangle

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



12.1146, 13.7927, 6.7264



9.9225, 13.7927, 10.9023



14.1575, 13.7927, 28.2809



16.9150, 13.7927, 20.0573

Sweetspot

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



12.1149, 13.7933, 6.7267



23.8178, 25.7556, 22.5930



8.7798, 7.0565, 5.8199



5.7455, 6.2246, 5.3708



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.



12.1149, 13.7933, 6.7267



21.1999, 24.4353, 9.6495



10.0358, 12.8749, 6.6590



3.3275, 3.5724, 3.3316



13.4665, 15.9827, 2.3752



68.5271, 81.2579, 12.0726

Inverse Universe

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



6.5371, 5.7849, 14.6819



9.7776, 8.0367, 25.9436



8.0460, 6.4801, 14.7366



2.9534, 3.0351, 3.8651



3.2574, 1.3491, 17.0110



16.5111, 6.7008, 86.6494

Previews

White Background



This preview shows how the XYZ color 12.1146, 13.7927, 6.7264 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 12.1146, 13.7927, 6.7264 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

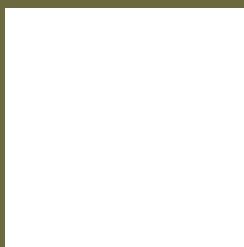
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1146, 13.7927, 6.7264

Background



This preview shows how black text looks on a background with the XYZ color 12.1146, 13.7927, 6.7264.



This preview shows how white text looks on a background with the XYZ color 12.1146, 13.7927,

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

12.1146, 13.7927, 6.7264

Protanopia

12.7592, 13.8258, 6.5536

Deuteranopia

13.8734, 13.6653, 6.9075



Tritanopia

14.0425, 13.8348, 16.1176

Trichromacy



Original Color

12.1146, 13.7927, 6.7264

Protanomaly

12.4766, 13.8305, 6.5694

Deuteranomaly

13.1480, 13.7245, 6.8066

Tritanomaly

13.2124, 13.7882, 12.0902

Monochromacy



Original Color

12.1146, 13.7927, 6.7264

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1641, 13.2722, 10.9375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1146, 13.7927, 6.7264 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(107, 106, 63)` looks like.

```
.text, #text, p{  
    color:rgb(107, 106, 63)  
}
```

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(107, 106, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 106, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.1146, 13.7927, 6.7264 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(107, 106, 63) }
```


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

```
.border{ border-color:rgb(107, 106, 63) }
```

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

Here you see how a box with a 4 pixel rgb(107, 106, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 106, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 106, 63);  
box-shadow:4px 4px 4px 4px rgb(107, 106,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1146, 13.7927, 6.7264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 106, 63) }
```

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

```
.background{ background-color: rgb(107,  
106, 63) }
```

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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