

Converting Colors

XYZ(13.0879, 14.6540, 3.7529)

Have a look what the booklet for
XYZ(13.0879, 14.6540, 3.7529)
contains.

XYZ(13.1371, 14.6980, 3.7347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1371, 14.6980,
3.7347)**

Conversions

Conversions Part 1

Format	Color
Hex	766C23
RGB	118, 108, 35
RGB Percent	46%, 42%, 14%
CMY	0.5373, 0.5765, 0.8627
CMYK	0.00, 0.08, 0.70, 0.54
HSL	53°, 54%, 30%
HSV	53°, 70%, 46%
XYZ	13.1371, 14.6980, 3.7347
YIQ	102.6680, 29.3930, -20.5830

Conversions

Conversions Part 2

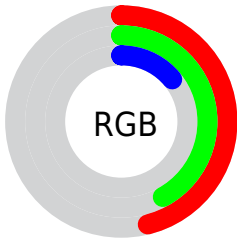
Format	Color
R_{YB}	46, 118, 35
Decimal	7760931
CIE _{Lab}	45.22, -5.35, 40.57
CIE _{LCh}	45, 40.917, 97.516
Yxy	14.6980, 0.4161, 0.4656
Android (android.graphics.Color)	4285951011 (0xFF766C23)
YUV	102.6680, -33.3603, 13.4462
Hunter-Lab	38.3380, -5.9257, 21.0608

Details

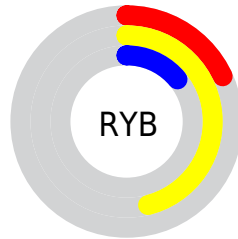
The XYZ color **13.1371, 14.6980, 3.7347** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.9015, 3.5420, 17.5647**, and the grayscale version is **12.8845, 13.5555, 14.7620**.

A 20% lighter version of the original color is **31.0116, 34.2070, 13.3556**, and **3.9835, 4.5308, 0.6646** is the 20% darker color. If you saturate the color by 10%, you get **12.8420, 14.3427, 2.9128**, and if you desaturate by 10%, it is **13.4943, 15.0832, 4.8686**.

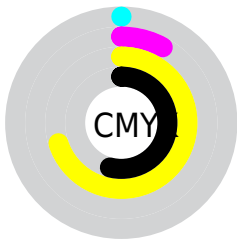
Distribution



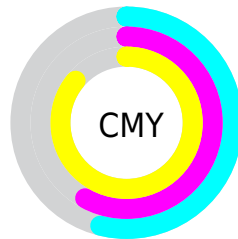
- Red (46%)
- Green (42%)
- Blue (14%)



- Red (18%)
- Yellow (46%)
- Blue (14%)



- Cyan (0%)
- Magenta (8%)
- Yellow (70%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1371, 14.6980, 3.7347 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 13.1371, 14.6980, 3.7347 by changing the saturation by 10% instead.

■ 13.1371, 14.6980,
3.7347

■ 13.1371, 14.6980,
3.7347

205.4143,
221.5309, 145.2293

■ 7.6007, 8.6077,
1.4810

■ 31.1491, 34.3225,
13.3931

■ 3.8901, 4.4862,
0.2037

■ 44.3554, 48.6255,
21.6349

■ 1.6402, 1.9491,
0.0000

■ 60.8490, 66.4349,
32.7097

■ 0.4184, 0.5776,
0.0000

■ 80.9953, 88.1350,
47.0362

■ 0.0000, 0.0000,
0.0000

■ 105.1596,
114.1103, 65.0329

■ 133.7073,

144.7451, 87.1183

167.0038,
180.4239, 113.7109

13.1371, 14.6980,
3.7347

13.1371, 14.6980,
3.7347

12.8420, 14.3427,
2.9128

13.4943, 15.0832,
4.8686

12.6019, 14.0126,
2.3695

13.9179, 15.4984,
6.3417

12.4001, 13.7095,
1.9926

14.4130, 15.9461,
8.1794

14.9840, 16.4281,
10.4042

15.6348, 16.9461,
13.0370

■ 16.3690, 17.5014,
16.0971

■ 17.1902, 18.0955,
19.6025

■ 18.1016, 18.7297,
23.5703

■ 19.1062, 19.4053,
28.0166

Harmonies

Analogous

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



16.6056, 14.6980, 4.2308



13.1371, 14.6980, 3.7347



10.3743, 14.6980, 5.3149

Triad

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



13.1371, 14.6980, 3.7347



9.4233, 14.6980, 30.2244



20.8762, 14.6980, 24.2288

Complementary

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



13.1371, 14.6980, 3.7347



4.9015, 3.5420, 17.5647

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.



18.3131, 14.6980, 35.7711



13.1371, 14.6980, 3.7347



11.6291, 14.6980, 40.0963

Square

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



13.1371, 14.6980, 3.7347



8.4668, 14.6980, 18.5636



14.8374, 14.6980, 42.4561



21.4542, 14.6980, 13.6905

Rectangle

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



13.1371, 14.6980, 3.7347



9.1738, 14.6980, 7.9444



14.8374, 14.6980, 42.4561



20.2003, 14.6980, 28.2252

Sweetspot

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



13.1374, 14.6987, 3.7350



27.3482, 29.6858, 22.3359



8.5667, 5.2515, 3.1540



6.2302, 6.7801, 4.9004



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.1374, 14.6987, 3.7350



22.3267, 24.8802, 4.5162



10.7654, 15.1317, 3.9436



3.9308, 4.1946, 3.9448



13.4094, 14.8200, 2.1538



64.9299, 71.3884, 10.3572

Inverse Universe

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



4.9015, 3.5420, 17.5647



6.8954, 4.0148, 30.5485



6.0799, 3.6489, 17.5232



3.5329, 3.6545, 4.6094



3.7049, 1.7495, 18.6850



17.7064, 7.8293, 90.9383

Previews

White Background



This preview shows how the XYZ color 13.1371, 14.6980, 3.7347 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 13.1371, 14.6980, 3.7347 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 13.1371, 14.6980, 3.7347

Background



This preview shows how black text looks on a background with the XYZ color 13.1371, 14.6980, 3.7347.



This preview shows how white text looks on a background with the XYZ color 13.1371, 14.6980,

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

13.1371, 14.6980, 3.7347

Protanopia

13.3068, 14.6298, 3.7126

Deuteranopia

14.9168, 14.7046, 3.8023



Tritanopia

15.7262, 14.6966, 16.4759

Trichromacy



Original Color

13.1371, 14.6980, 3.7347

Protanomaly

13.1688, 14.5587, 3.7061

Deuteranomaly

14.1708, 14.6172, 3.7436

Tritanomaly

14.4993, 14.6474, 10.0457

Monochromacy



Original Color

13.1371, 14.6980, 3.7347

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6111, 13.8414, 9.2147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1371, 14.6980, 3.7347 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(118, 108, 35)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 35)  
}
```

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(118, 108, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 35) }
```

Border

The CSS property to change the border of an element to XYZ 13.1371, 14.6980, 3.7347 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(118, 108, 35) }
```


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

```
.border{ border-color:rgb(118, 108, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 108, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 35);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1371, 14.6980, 3.7347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 108, 35) }
```

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

```
.background{ background-color: rgb(118,  
108, 35) }
```

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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