

Converting Colors

XYZ(13.6340, 16.3635, 7.9117)

Have a look what the booklet for
XYZ(13.6340, 16.3635, 7.9117)
contains.

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Color

**XYZ(13.5890, 16.3281,
7.9043)**

Conversions

Conversions Part 1

Format	Color
Hex	6C7544
RGB	108, 117, 68
RGB Percent	42%, 46%, 27%
CMY	0.5765, 0.5412, 0.7333
CMYK	0.08, 0.00, 0.42, 0.54
HSL	71°, 26%, 36%
HSV	71°, 42%, 46%
XYZ	13.5890, 16.3281, 7.9043
YIQ	108.7230, 10.3650, -17.1470

Conversions

Conversions Part 2

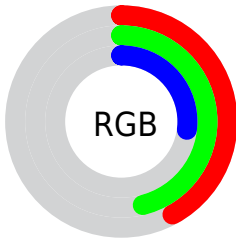
Format	Color
RYB	68, 117, 77
Decimal	7107908
CIELab	47.40, -11.84, 25.88
CIELCh	47, 28.460, 114.575
Yxy	16.3281, 0.3593, 0.4317
Android (android.graphics.Color)	4285297988 (0xFF6C7544)
YUV	108.7230, -20.0764, -0.6341
Hunter-Lab	40.4080, -10.6855, 16.6878

Details

The XYZ color **13.5890, 16.3281, 7.9043** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.3393, 6.9969, 17.7416**, and the grayscale version is **14.5107, 15.2664, 16.6251**.

A 20% lighter version of the original color is **31.8961, 37.1339, 22.3161**, and **4.0864, 5.2479, 1.6082** is the 20% darker color. If you saturate the color by 10%, you get **13.0089, 16.0668, 6.1957**, and if you desaturate by 10%, it is **14.2477, 16.6227, 9.9894**.

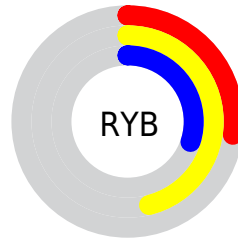
Distribution



 Red (42%)

 Green (46%)

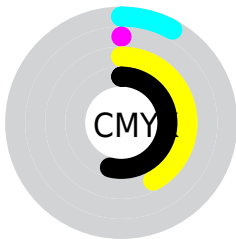
 Blue (27%)



 Red (27%)

 Yellow (46%)

 Blue (30%)

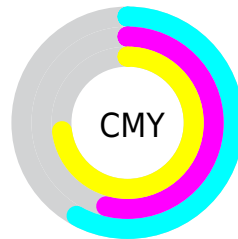



 Cyan (8%)


 Magenta (0%)

 Yellow (42%)

 Black (54%)



 Cyan (58%)

 Magenta (54%)

 Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5890, 16.3281, 7.9043 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 13.5890, 16.3281, 7.9043 by changing the saturation by 10% instead.

■ 13.5890, 16.3281,
7.9043

■ 13.5890, 16.3281,
7.9043

208.2210,
231.2701, 184.8859

■ 7.9152, 9.7566,
3.9469

■ 31.9504, 37.1669,
22.3137

■ 4.0921, 5.2379,
1.5962

■ 45.3686, 52.2030,
33.6027

■ 1.7543, 2.3875,
0.2881

■ 62.0990, 70.8294,
48.1727

■ 0.4899, 0.8195,
0.0000

■ 82.5069, 93.4305,
66.4422

■ 0.0000, 0.0000,
0.0000

■ 106.9577,
120.3907, 88.8297

135.8167,

152.0945, 115.7538

169.4494,
188.9261, 147.6331

■ 13.5890, 16.3281,
7.9043

■ 13.5890, 16.3281,
7.9043

■ 13.0089, 16.0668,
6.1957

■ 14.2477, 16.6227,
9.9894

■ 12.5018, 15.8349,
4.8401

■ 14.9876, 16.9500,
12.4705

■ 12.0634, 15.6312,
3.8129

■ 15.8130, 17.3123,
15.3672

■ 11.6883, 15.4535,
3.0860

■ 16.7272, 17.7108,
18.6972

■ 11.3702, 15.2993,
2.6266

■ 17.7334, 18.1469,
22.4774

■ 11.1336, 15.1834,
2.3439

■ 18.8348, 18.6218,
26.7238

■ 20.0343, 19.1368,
31.4515

■ 21.3345, 19.6928,
36.6749

■ 22.7383, 20.2911,
42.4080

Harmonies

Analogous

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



15.9823, 16.3281, 7.2281



13.5890, 16.3281, 7.9043



11.8942, 16.3281, 10.8832

Triad

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



13.5890, 16.3281, 7.9043



12.8752, 16.3281, 31.6642



20.8640, 16.3281, 19.1240

Complementary

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



13.5890, 16.3281, 7.9043



8.3393, 6.9969, 17.7416

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.



19.8151, 16.3281, 27.1032



13.5890, 16.3281, 7.9043



15.0655, 16.3281, 35.4948

Square

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



13.5890, 16.3281, 7.9043



11.5144, 16.3281, 24.2013



17.6244, 16.3281, 33.6327



20.3596, 16.3281, 12.6063

Rectangle

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



13.5890, 16.3281, 7.9043



11.2989, 16.3281, 14.3350



17.6244, 16.3281, 33.6327



20.6782, 16.3281, 21.7336

Sweetspot

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



13.5894, 16.3288, 7.9046



28.0900, 30.9011, 26.7142



11.0328, 9.5052, 6.7223



6.3953, 7.0770, 5.9183



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.



13.5894, 16.3288, 7.9046



23.3513, 28.7954, 11.2563



11.0183, 15.0034, 7.7843



3.9039, 4.2339, 3.9538



12.2543, 16.7217, 2.5817



59.0518, 81.1441, 12.5500

Inverse Universe

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



8.3393, 6.9969, 17.7416



12.6395, 9.7396, 31.3507



10.6997, 8.2137, 17.8521



3.5576, 3.6193, 4.6013



3.8795, 1.5913, 18.6452



18.3626, 7.4748, 90.8352

Previews

White Background



This preview shows how the XYZ color 13.5890, 16.3281, 7.9043 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 13.5890, 16.3281, 7.9043 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

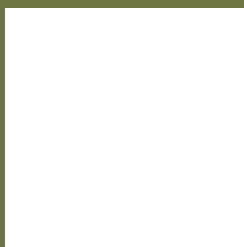
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5890, 16.3281, 7.9043

Background



This preview shows how black text looks on a background with the XYZ color 13.5890, 16.3281, 7.9043.



This preview shows how white text looks on a background with the XYZ color 13.5890, 16.3281,

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

13.5890, 16.3281, 7.9043

Protanopia

14.9459, 16.1926, 7.4920

Deuteranopia

16.5165, 16.1918, 8.0492



Tritanopia

16.0140, 16.3024, 20.0719

Trichromacy



Original Color

13.5890, 16.3281, 7.9043

Protanomaly

14.5016, 16.2914, 7.6904

Deuteranomaly

15.3628, 16.2342, 7.9540

Tritanomaly

14.9362, 16.1946, 14.6506

Monochromacy



Original Color

13.5890, 16.3281, 7.9043

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1212, 15.6477, 12.8657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5890, 16.3281, 7.9043 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(108, 117, 68)` looks like.

```
.text, #text, p{  
    color:rgb(108, 117, 68)  
}
```

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(108, 117, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 117, 68) }
```

Border

The CSS property to change the border of an element to XYZ 13.5890, 16.3281, 7.9043 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(108, 117, 68) }
```


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

```
.border{ border-color:rgb(108, 117, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 117, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 117, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 117, 68);  
box-shadow:4px 4px 4px 4px rgb(108, 117,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5890, 16.3281, 7.9043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 117, 68) }
```

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

```
.background{ background-color: rgb(108,  
117, 68) }
```

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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