

Converting Colors

XYZ(13.9902, 15.7092, 8.6040)

Have a look what the booklet for
XYZ(13.9902, 15.7092, 8.6040)
contains.

XYZ(13.9362, 15.6468, 8.5889)	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(13.9362, 15.6468,
8.5889)**

Conversions

Conversions Part 1

Format	Color
Hex	727049
RGB	114, 112, 73
RGB Percent	45%, 44%, 29%
CMY	0.5529, 0.5608, 0.7137
CMYK	0.00, 0.02, 0.36, 0.55
HSL	57°, 22%, 37%
HSV	57°, 36%, 45%
XYZ	13.9362, 15.6468, 8.5889
YIQ	108.1520, 13.7110, -11.7050

Conversions

Conversions Part 2

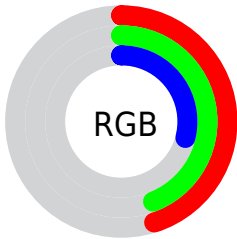
Format	Color
RYB	75, 114, 73
Decimal	7499849
CIELab	46.51, -5.77, 22.00
CIElCh	47, 22.743, 104.705
Yxy	15.6468, 0.3651, 0.4099
Android (android.graphics.Color)	4285689929 (0xFF727049)
YUV	108.1520, -17.3299, 5.1287
Hunter-Lab	39.5560, -6.3348, 14.8154

Details

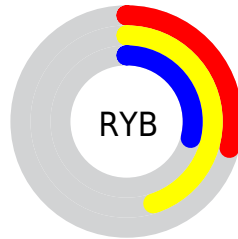
The XYZ color **13.9362, 15.6468, 8.5889** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.3009, 7.6633, 16.9613**, and the grayscale version is **14.3413, 15.0882, 16.4310**.

A 20% lighter version of the original color is **32.7247, 36.1715, 23.6694**, and **4.2230, 4.8744, 1.8169** is the 20% darker color. If you saturate the color by 10%, you get **13.5315, 15.3877, 6.7572**, and if you desaturate by 10%, it is **14.4114, 15.9358, 10.7864**.

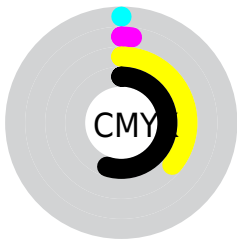
Distribution



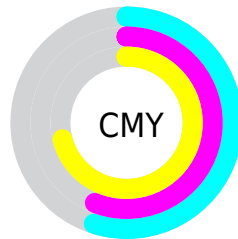
- Red (45%)
- Green (44%)
- Blue (29%)



- Red (29%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (55%)



- Cyan (55%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9362, 15.6468, 8.5889 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 13.9362, 15.6468, 8.5889 by changing the saturation by 10% instead.

■ 13.9362, 15.6468,
8.5889

■ 13.9362, 15.6468,
8.5889

210.3521,
227.2484, 190.3845

■ 8.1577, 9.2746,
4.3809

■ 32.5630, 35.9839,
23.6700

■ 4.2487, 4.9207,
1.8365

■ 46.1420, 50.7176,
35.3802

■ 1.8438, 2.2008,
0.4519

■ 63.0519, 69.0073,
50.4283

■ 0.5438, 0.7204,
0.0000

■ 83.6580, 91.2372,
69.2326

■ 0.0000, 0.0000,
0.0000

■ 108.3258,
117.7920, 92.2119

137.4205,

149.0558, 119.7846

171.3075,
185.4132, 152.3693

■ 13.9362, 15.6468,
8.5889

■ 13.9362, 15.6468,
8.5889

■ 13.5315, 15.3877,
6.7572

■ 14.4114, 15.9358,
10.7864

■ 13.1922, 15.1549,
5.2703

■ 14.9594, 16.2539,
13.3672

■ 12.9148, 14.9474,
4.1067

■ 15.5839, 16.6033,
16.3488

■ 12.6944, 14.7633,
3.2419

■ 16.2879, 16.9850,
19.7474

■ 12.5259, 14.6006,
2.6483

■ 17.0744, 17.4004,
23.5781

■ 12.3983, 14.4549,
2.2687

■ 17.9460, 17.8504,
27.8556

■ 12.3493, 14.3972,
2.1281

■ 18.9055, 18.3362,
32.5937

■ 19.9553, 18.8587,
37.8055

■ 21.0978, 19.4189,
43.5039

Harmonies

Analogous

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



15.8876, 15.6468, 8.6071



13.9362, 15.6468, 8.5889



12.3768, 15.6468, 10.4632

Triad

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



13.9362, 15.6468, 8.5889



12.3525, 15.6468, 25.8059



18.8082, 15.6468, 20.0432

Complementary

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



13.9362, 15.6468, 8.5889



8.3009, 7.6633, 16.9613

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.



17.6814, 15.6468, 25.9097



13.9362, 15.6468, 8.5889



13.9003, 15.6468, 29.7016

Square

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



13.9362, 15.6468, 8.5889



11.5185, 15.6468, 19.9237



15.8484, 15.6468, 29.7433



18.8200, 15.6468, 14.4430

Rectangle

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



13.9362, 15.6468, 8.5889



11.7201, 15.6468, 12.8312



15.8484, 15.6468, 29.7433



18.5432, 15.6468, 22.0732

Sweetspot

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



13.9366, 15.6475, 8.5892



26.7848, 28.8434, 25.8533



10.5938, 8.8513, 7.8159



6.1695, 6.6565, 5.8605



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.



13.9366, 15.6475, 8.5892



23.9020, 27.1219, 12.4251



11.9967, 14.9782, 8.5623



3.6286, 3.8898, 3.6329



13.7437, 16.0198, 2.3678



68.2764, 79.4280, 11.7326

Inverse Universe

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



8.3009, 7.6633, 16.9613



12.4614, 10.9152, 29.4255



9.7788, 8.2272, 16.9922



3.2294, 3.3242, 4.2256



3.4444, 1.4791, 17.8256



16.9746, 7.0011, 88.7358

Previews

White Background



This preview shows how the XYZ color 13.9362, 15.6468, 8.5889 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 13.9362, 15.6468, 8.5889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

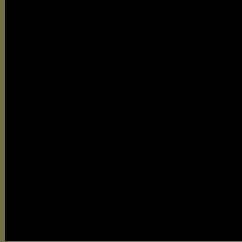
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9362, 15.6468, 8.5889

Background



This preview shows how black text looks on a background with the XYZ color 13.9362, 15.6468, 8.5889.



This preview shows how white text looks on a background with the XYZ color 13.9362, 15.6468,

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

13.9362, 15.6468, 8.5889

Protanopia

14.4914, 15.6128, 8.3807

Deuteranopia

15.8033, 15.5031, 8.6380



Tritanopia

15.9600, 15.6751, 18.4041

Trichromacy



Original Color

13.9362, 15.6468, 8.5889

Protanomaly

14.3254, 15.6883, 8.4040

Deuteranomaly

15.0560, 15.5795, 8.6922

Tritanomaly

15.1050, 15.6393, 14.2792

Monochromacy



Original Color

13.9362, 15.6468, 8.5889

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9646, 15.0785, 13.0009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9362, 15.6468, 8.5889 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(114, 112, 73)` looks like.

```
.text, #text, p{  
    color:rgb(114, 112, 73)  
}
```

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(114, 112, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 112, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.9362, 15.6468, 8.5889 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(114, 112, 73) }
```


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

```
.border{ border-color:rgb(114, 112, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 112, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 112, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 112, 73);  
box-shadow:4px 4px 4px 4px rgb(114, 112,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9362, 15.6468, 8.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 112, 73) }
```

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

```
.background{ background-color: rgb(114,  
112, 73) }
```

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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