

Converting Colors

XYZ(13.2466, 14.7503, 15.7618)

Have a look what the booklet for
XYZ(13.2466, 14.7503, 15.7618)
contains.

XYZ(13.3230, 14.8451, 15.7989)	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(13.3230, 14.8451,
15.7989)**

Conversions

Conversions Part 1

Format	Color
Hex	636E6A
RGB	99, 110, 106
RGB Percent	39%, 43%, 42%
CMY	0.6118, 0.5686, 0.5843
CMYK	0.10, 0.00, 0.04, 0.57
HSL	158°, 5%, 41%
HSV	158°, 10%, 43%
XYZ	13.3230, 14.8451, 15.7989
YIQ	106.2550, -5.2720, -3.5760

Conversions

Conversions Part 2

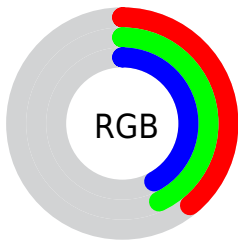
Format	Color
R_{YB}	99, 106, 110
Decimal	6516330
CIE Lab	45.42, -5.02, 0.80
CIE LCh	45, 5.079, 170.905
Yxy	14.8451, 0.3030, 0.3376
Android (android.graphics.Color)	4284706410 (0xFF636E6A)
YUV	106.2550, -0.1257, -6.3626
Hunter-Lab	38.5293, -5.7031, 2.6588

Details

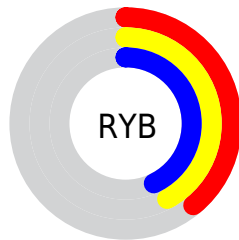
The XYZ color **13.3230, 14.8451, 15.7989** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3409, 13.2182, 14.6807**, and the grayscale version is **13.7712, 14.4884, 15.7779**.

A 20% lighter version of the original color is **31.5838, 34.7590, 36.9428**, and **3.9282, 4.4911, 4.7975** is the 20% darker color. If you saturate the color by 10%, you get **11.9990, 14.1865, 14.6762**, and if you desaturate by 10%, it is **14.8213, 15.5933, 16.9810**.

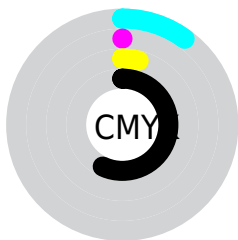
Distribution



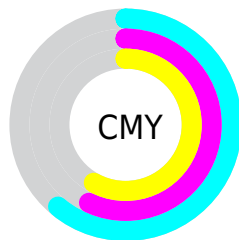
- Red (39%)
- Green (43%)
- Blue (42%)



- Red (39%)
- Yellow (42%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (57%)



- Cyan (61%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3230, 14.8451, 15.7989 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 13.3230, 14.8451, 15.7989 by changing the saturation by 10% instead.

■ 13.3230, 14.8451,
15.7989

■ 13.3230, 14.8451,
15.7989

206.5735,
222.4267, 239.9572

■ 7.7299, 8.7107,
9.2292

■ 31.4793, 34.5812,
37.0107

■ 3.9729, 4.5530,
4.7921

■ 44.7731, 48.9518,
52.4897

■ 1.6868, 1.9875,
2.0692

■ 61.3646, 66.8365,
71.7757

■ 0.4480, 0.6002,
0.5973

■ 81.6190, 88.6198,
95.2870

■ 0.0000, 0.0000,
0.0000

105.9017,
114.6861, 123.4423

134.5782,

145.4197, 156.6601

168.0136,
181.2052, 195.3588

■ 13.3230, 14.8451,
15.7989

■ 13.3230, 14.8451,
15.7989

■ 11.9990, 14.1865,
14.6762

■ 14.8213, 15.5933,
16.9810

■ 10.8413, 13.6120,
13.6110

■ 16.4989, 16.4324,
18.2226

■ 9.8433, 13.1188,
12.6026

■ 18.3624, 17.3662,
19.5249

■ 8.9971, 12.7028,
11.6499

■ 20.4173, 18.3975,
20.8889

■ 8.2944, 12.3597,
10.7518

■ 22.6692, 19.5291,
22.3153

■ 7.7262, 12.0849,
9.9071

■ 25.1234, 20.7639,
23.8051

■ 7.2820, 11.8730,
9.1146

■ 27.7848, 22.1042,
25.3592

■ 6.9500, 11.7179,
8.3729

■ 30.6584, 23.5528,
26.9783

■ 6.6815, 11.5945,
7.6790

■ 33.7488, 25.1119,
28.6632

Harmonies

Analogous

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



13.4889, 14.8451, 14.7410



13.3230, 14.8451, 15.7989



13.3647, 14.8451, 17.0080

Triad

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



13.3230, 14.8451, 15.7989



14.4016, 14.8451, 18.4354



14.6282, 14.8451, 14.4250

Complementary

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



13.3230, 14.8451, 15.7989



13.3409, 13.2182, 14.6807

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.



14.8822, 14.8451, 15.3480



13.3230, 14.8451, 15.7989



14.7495, 14.8451, 17.6753

Square

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



13.3230, 14.8451, 15.7989



13.9818, 14.8451, 18.5709



14.9270, 14.8451, 16.5343



14.2386, 14.8451, 13.9742

Rectangle

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



13.3230, 14.8451, 15.7989



13.5049, 14.8451, 17.7351



14.9270, 14.8451, 16.5343



14.7326, 14.8451, 14.6881

Sweetspot

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



13.3234, 14.8457, 15.7992



25.1850, 26.9626, 29.1707



13.4258, 14.9389, 13.9804



5.8177, 6.2529, 6.7546



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.



13.3234, 14.8457, 15.7992



22.8316, 25.7888, 27.2789



13.3795, 14.6170, 16.8688



3.4260, 3.7956, 4.0494



8.0120, 13.9223, 9.1498



39.4867, 69.1833, 43.3436

Inverse Universe

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



13.3409, 13.2182, 14.6807



22.8688, 22.3208, 24.8957



13.2850, 13.4203, 13.6947



3.4300, 3.4197, 3.7911



8.1719, 4.1611, 2.7152



40.3253, 20.5754, 11.5110

Previews

White Background



This preview shows how the XYZ color 13.3230, 14.8451, 15.7989 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 13.3230, 14.8451, 15.7989 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

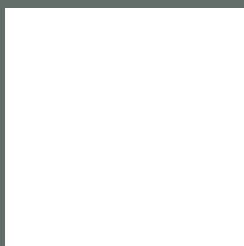
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3230, 14.8451, 15.7989

Background



This preview shows how black text looks on a background with the XYZ color 13.3230, 14.8451, 15.7989.



This preview shows how white text looks on a background with the XYZ color 13.3230, 14.8451,

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

13.3230, 14.8451, 15.7989

Protanopia

14.1868, 14.8299, 15.2114

Deuteranopia

15.0754, 14.8137, 15.9747



Tritanopia

13.9403, 14.7762, 18.9470

Trichromacy



Original Color

13.3230, 14.8451, 15.7989

Protanomaly

13.8562, 14.8092, 15.4928

Deuteranomaly

14.3634, 14.7491, 15.9997

Tritanomaly

13.7048, 14.8389, 17.7646

Monochromacy



Original Color

13.3230, 14.8451, 15.7989

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4527, 14.4396, 15.7137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3230, 14.8451, 15.7989 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(99, 110, 106) looks like.

```
.text, #text, p{  
    color:rgb(99, 110, 106)  
}
```

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(99, 110, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 110, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.3230, 14.8451, 15.7989 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(99, 110, 106) }
```


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

```
.border{ border-color:rgb(99, 110, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 110, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 110, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 110, 106);  
box-shadow:4px 4px 4px 4px rgb(99, 110,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3230, 14.8451, 15.7989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 110, 106) }
```

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

```
.background{ background-color: rgb(99, 110,  
106) }
```

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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