

Converting Colors

XYZ(13.0875, 15.7964, 1.8416)

Have a look what the booklet for
XYZ(13.0875, 15.7964, 1.8416)
contains.

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Color

**XYZ(13.2010, 15.9063,
2.3745)**

Conversions

Conversions Part 1

Format	Color
Hex	737300
RGB	115, 115, 0
RGB Percent	45%, 45%, 0%
CMY	0.5490, 0.5490, 1.0000
CMYK	0.00, 0.00, 1.00, 0.55
HSL	60°, 100%, 23%
HSV	60°, 100%, 45%
XYZ	13.2010, 15.9063, 2.3745
YIQ	101.8900, 36.9150, -35.7650

Conversions

Conversions Part 2

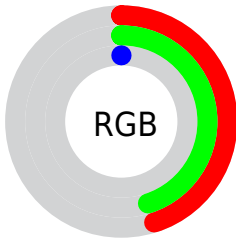
Format	Color
RYB	0, 115, 0
Decimal	7566080
CIELab	46.85, -11.97, 52.49
CIELCh	47, 53.836, 102.852
Yxy	15.9063, 0.4193, 0.5053
Android (android.graphics.Color)	4285756160 (0xFF737300)
YUV	101.8900, -50.2318, 11.4975
Hunter-Lab	39.8827, -10.7120, 24.3879

Details

The XYZ color **13.2010, 15.9063, 2.3745** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0949, 1.2381, 16.2965**, and the grayscale version is **12.7215, 13.3840, 14.5752**.

A 20% lighter version of the original color is **31.2935, 36.5424, 10.1067**, and **4.0571, 5.0711, 0.7650** is the 20% darker color. If you saturate the color by 10%, you get **13.2013, 15.9070, 2.3746**, and if you desaturate by 10%, it is **13.2648, 15.9324, 2.7084**.

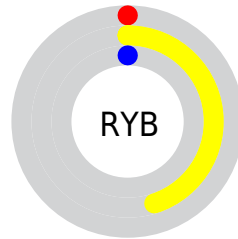
Distribution



Red (45%)

Green (45%)

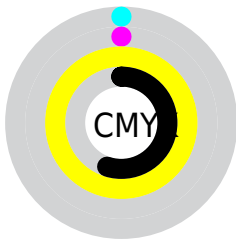
Blue (0%)



Red (0%)

Yellow (45%)

Blue (0%)

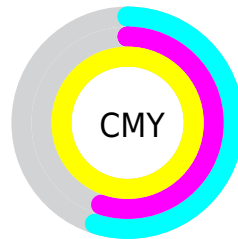


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2010, 15.9063, 2.3745 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 13.2010, 15.9063, 2.3745 by changing the saturation by 10% instead.


 13.2010, 15.9063,
2.3745


 13.2010, 15.9063,
2.3745


205.8135,
228.7882, 127.9450


 7.6451, 9.4579,
0.7725


 31.2627, 36.4355,
10.0415


 3.9186, 5.0410,
0.0000

 44.4991, 51.2850,
16.9560


 1.6562, 2.2714,
0.0000

 61.0264, 69.7037,
26.4825

 0.4286, 0.7585,
0.0000


 81.2100, 92.0759,
39.0396

 0.0000, 0.0000,
0.0000


 105.4151,
118.7861, 55.0459


 134.0071,


150.2186, 74.9199


 167.3515,
186.7578, 99.0801


 13.2010, 15.9063,
2.3745


 13.2010, 15.9063,
2.3745


 13.2013, 15.9070,
2.3746

 13.2648, 15.9324,
2.7084

 13.3561, 15.9690,
3.1895

 13.4976, 16.0255,
3.9340

 13.6948, 16.1045,
4.9725

 13.9528, 16.2077,
6.3309

■ 14.2761, 16.3370,
8.0328

■ 14.6685, 16.4940,
10.0993

■ 15.1339, 16.6801,
12.5497

■ 15.6756, 16.8968,
15.4022

Harmonies

Analogous

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



17.9347, 15.9063, 2.5102



13.2010, 15.9063, 2.3745



9.7798, 15.9063, 4.4510

Triad

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



13.2010, 15.9063, 2.3745



9.4267, 15.9063, 41.4743



25.4698, 15.9063, 26.0993

Complementary

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



13.2010, 15.9063, 2.3745



3.0949, 1.2381, 16.2965

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.



22.1141, 15.9063, 43.9722



13.2010, 15.9063, 2.3745



12.6137, 15.9063, 55.5465

Square

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



13.2010, 15.9063, 2.3745



7.9237, 15.9063, 23.7186



17.2131, 15.9063, 56.6430



25.7182, 15.9063, 12.1888

Rectangle

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



13.2010, 15.9063, 2.3745



8.4329, 15.9063, 8.0092



17.2131, 15.9063, 56.6430



24.6403, 15.9063, 31.9693

Sweetspot

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



13.2014, 15.9070, 2.3748



26.2047, 29.5097, 17.7644



7.0708, 3.6453, 0.3312



6.1929, 7.0165, 3.9292



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.



13.2014, 15.9070, 2.3748



23.6381, 28.4830, 4.2519



7.8475, 13.1470, 2.1243



3.9666, 4.2663, 3.9567



15.0910, 18.1841, 2.7145



73.5405, 88.6133, 13.2281

Inverse Universe

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



3.0949, 1.2381, 16.2965



5.5414, 2.2166, 29.1803



4.8111, 2.1229, 16.3768



3.5006, 3.5899, 4.5986



3.5377, 1.4151, 18.6292



17.2397, 6.8959, 90.7827

Previews

White Background



This preview shows how the XYZ color 13.2010, 15.9063, 2.3745 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 13.2010, 15.9063, 2.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

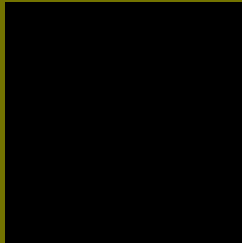
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2010, 15.9063, 2.3745

Background



This preview shows how black text looks on a background with the XYZ color 13.2010, 15.9063, 2.3745.



This preview shows how white text looks on a background with the XYZ color 13.2010, 15.9063,

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

13.2010, 15.9063, 2.3745

Protanopia

14.1419, 15.7289, 2.2906

Deuteranopia

15.9680, 15.7191, 2.7228



Tritanopia

16.5206, 15.9641, 18.4303

Trichromacy



Original Color

13.2010, 15.9063, 2.3745

Protanomaly

13.6793, 15.6533, 2.3004

Deuteranomaly

14.8891, 15.7867, 2.5790

Tritanomaly

14.5243, 15.6260, 8.5539

Monochromacy



Original Color

13.2010, 15.9063, 2.3745

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2752, 14.0228, 7.0607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2010, 15.9063, 2.3745 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(115, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 115, 0)  
}
```

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(115, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.2010, 15.9063, 2.3745 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(115, 115, 0) }
```


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

```
.border{ border-color:rgb(115, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2010, 15.9063, 2.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 115, 0) }
```

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

```
.background{ background-color: rgb(115,  
115, 0) }
```

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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