

Converting Colors

XYZ(13.1988, 16.0791, 2.4079)

Have a look what the booklet for
XYZ(13.1988, 16.0791, 2.4079)
contains.

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Color

**XYZ(13.1848, 16.0682,
2.4066)**

Conversions

Conversions Part 1

Format	Color
Hex	727400
RGB	114, 116, 0
RGB Percent	45%, 45%, 0%
CMY	0.5529, 0.5451, 1.0000
CMYK	0.02, 0.00, 1.00, 0.55
HSL	61°, 100%, 23%
HSV	61°, 100%, 45%
XYZ	13.1848, 16.0682, 2.4066
YIQ	102.1780, 36.0440, -36.5000

Conversions

Conversions Part 2

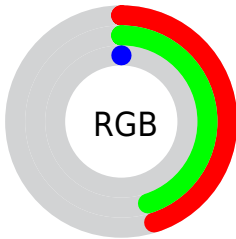
Format	Color
RYB	0, 116, 2
Decimal	7500800
CIELab	47.06, -13.00, 52.60
CIElCh	47, 54.185, 103.878
Yxy	16.0682, 0.4165, 0.5075
Android (android.graphics.Color)	4285690880 (0xFF727400)
YUV	102.1780, -50.3738, 10.3679
Hunter-Lab	40.0852, -11.4369, 24.5000

Details

The XYZ color **13.1848, 16.0682, 2.4066** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1779, 1.2742, 16.6025**, and the grayscale version is **12.7977, 13.4642, 14.6625**.

A 20% lighter version of the original color is **31.2620, 36.7992, 10.1579**, and **4.0537, 5.1584, 0.7820** is the 20% darker color. If you saturate the color by 10%, you get **13.1851, 16.0689, 2.4067**, and if you desaturate by 10%, it is **13.2752, 16.1080, 2.7449**.

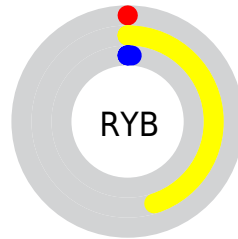
Distribution



Red (45%)

Green (45%)

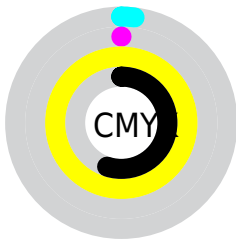
Blue (0%)



Red (0%)

Yellow (45%)

Blue (1%)

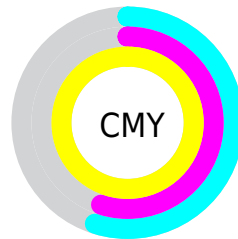


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1848, 16.0682, 2.4066 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 13.1848, 16.0682, 2.4066 by changing the saturation by 10% instead.


 13.1848, 16.0682,
2.4066


 13.1848, 16.0682,
2.4066


205.7124,
229.7438, 128.4014


 7.6338, 9.5724,
0.7900


 31.2339, 36.7166,
10.1253


 3.9114, 5.1164,
0.0000

 44.4627, 51.6379,
17.0747


 1.6521, 2.3157,
0.0000

 60.9815, 70.1366,
26.6423

 0.4260, 0.7820,
0.0000

 81.1556, 92.5971,
39.2466


 0.0000, 0.0000,
0.0000


 105.3503,
119.4036, 55.3061


 133.9312,


150.9406, 75.2394


 167.2634,
187.5926, 99.4650


 13.1848, 16.0682,
2.4066


 13.1848, 16.0682,
2.4066


 13.1851, 16.0689,
2.4067

 13.2752, 16.1080,
2.7449

 13.3941, 16.1586,
3.2346

 13.5641, 16.2296,
3.9930

 13.7911, 16.3234,
5.0512

 14.0802, 16.4421,
6.4359

■ 14.4358, 16.5874,
8.1709

■ 14.8622, 16.7610,
10.2780

■ 15.3630, 16.9644,
12.7769

■ 15.9418, 17.1990,
15.6861

Harmonies

Analogous

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



17.9514, 16.0682, 2.4779



13.1848, 16.0682, 2.4066



9.7764, 16.0682, 4.6034

Triad

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



13.1848, 16.0682, 2.4066



9.5898, 16.0682, 42.6082



25.8335, 16.0682, 25.8100

Complementary

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



13.1848, 16.0682, 2.4066



3.1779, 1.2742, 16.6025

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.



22.5175, 16.0682, 43.9326



13.1848, 16.0682, 2.4066



12.8741, 16.0682, 56.5722

Square

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



13.1848, 16.0682, 2.4066



8.0111, 16.0682, 24.5491



17.5694, 16.0682, 57.1539



25.9651, 16.0682, 11.9418

Rectangle

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



13.1848, 16.0682, 2.4066



8.4523, 16.0682, 8.3214



17.5694, 16.0682, 57.1539



25.0276, 16.0682, 31.7231

Sweetspot

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



13.1852, 16.0690, 2.4069



26.0614, 29.4358, 17.7577



7.2240, 3.7554, 0.3444



6.1550, 6.9970, 3.9275



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.



13.1852, 16.0690, 2.4069



23.1640, 28.2386, 4.2297



7.8808, 13.3344, 2.1587



3.9607, 4.2632, 3.9564



14.7941, 18.0310, 2.7006



72.0141, 87.8264, 13.1566

Inverse Universe

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



3.1779, 1.2742, 16.6025



5.5739, 2.2333, 29.1818



5.0125, 2.2200, 16.6884



3.5059, 3.5926, 4.5989



3.5642, 1.4287, 18.6305



17.2937, 6.9237, 90.7852

Previews

White Background



This preview shows how the XYZ color 13.1848, 16.0682, 2.4066 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 13.1848, 16.0682, 2.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

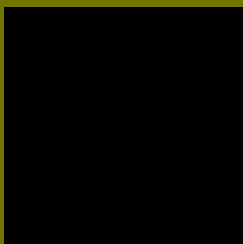
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1848, 16.0682, 2.4066

Background



This preview shows how black text looks on a background with the XYZ color 13.1848, 16.0682, 2.4066.



This preview shows how white text looks on a background with the XYZ color 13.1848, 16.0682,

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

13.1848, 16.0682, 2.4066

Protanopia

14.3984, 16.0240, 2.3341

Deuteranopia

16.2477, 16.0145, 2.8070



Tritanopia

16.5410, 16.1237, 18.7634

Trichromacy



Original Color

13.1848, 16.0682, 2.4066

Protanomaly

13.9312, 15.9478, 2.3440

Deuteranomaly

14.9964, 16.0013, 2.6148

Tritanomaly

14.5282, 15.7852, 8.7597

Monochromacy



Original Color

13.1848, 16.0682, 2.4066

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1557, 13.9612, 7.0551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1848, 16.0682, 2.4066 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, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 116, 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(114, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 116, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.1848, 16.0682, 2.4066 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, 116, 0) }
```


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

```
.border{ border-color:rgb(114, 116, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 116,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1848, 16.0682, 2.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 116, 0) }
```

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

```
.background{ background-color: rgb(114,  
116, 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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