

Converting Colors

XYZ(13.1364, 15.3232, 2.9102)

Have a look what the booklet for
XYZ(13.1364, 15.3232, 2.9102)
contains.

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Color

**XYZ(13.1229, 15.3519,
2.9334)**

Conversions

Conversions Part 1

Format	Color
Hex	747014
RGB	116, 112, 20
RGB Percent	45%, 44%, 8%
CMY	0.5451, 0.5608, 0.9216
CMYK	0.00, 0.03, 0.83, 0.55
HSL	58°, 71%, 27%
HSV	58°, 83%, 45%
XYZ	13.1229, 15.3519, 2.9334
YIQ	102.7080, 31.9160, -27.7640

Conversions

Conversions Part 2

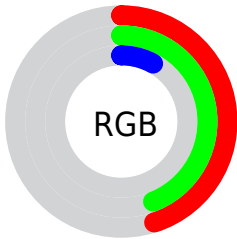
Format	Color
R_{YB}	24, 116, 20
Decimal	7630868
CIE _{Lab}	46.11, -9.30, 47.13
CIE _{LCh}	46, 48.043, 101.163
Yxy	15.3519, 0.4178, 0.4888
Android (android.graphics.Color)	4285820948 (0xFF747014)
YUV	102.7080, -40.7750, 11.6571
Hunter-Lab	39.1815, -8.7834, 22.9882

Details

The XYZ color **13.1229, 15.3519, 2.9334** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7676, 2.0630, 16.7224**, and the grayscale version is **12.9138, 13.5863, 14.7955**.

A 20% lighter version of the original color is **31.0944, 35.3334, 11.4845**, and **4.0703, 4.9044, 0.7321** is the 20% darker color. If you saturate the color by 10%, you get **12.9899, 15.2142, 2.4933**, and if you desaturate by 10%, it is **13.3057, 15.5111, 3.6311**.

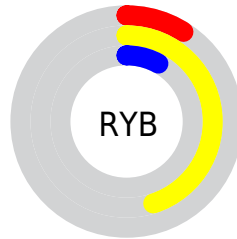
Distribution



Red (45%)

Green (44%)

Blue (8%)



Red (9%)

Yellow (45%)

Blue (8%)

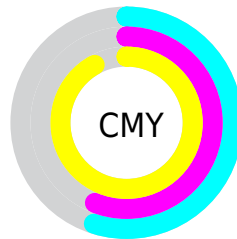


Cyan (0%)

Magenta (3%)

Yellow (83%)

Black (55%)



Cyan (55%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1229, 15.3519, 2.9334 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 13.1229, 15.3519, 2.9334 by changing the saturation by 10% instead.

■ 13.1229, 15.3519,
2.9334

■ 13.1229, 15.3519,
2.9334

205.3255,
225.4864, 135.5078

■ 7.5908, 9.0667,
1.0607

■ 31.1238, 35.4693,
11.4637

■ 3.8838, 4.7847,
0.0000

■ 44.3234, 50.0704,
18.9583

■ 1.6366, 2.1215,
0.0000

■ 60.8095, 68.2122,
29.1640

■ 0.4161, 0.6767,
0.0000


■ 80.9475, 90.2792,
42.4994


■ 0.0000, 0.0000,
0.0000


■ 105.1028,
116.6557, 59.3829


■ 133.6406,


147.7261, 80.2331


 166.9264,
183.8749, 105.4686


 13.1229, 15.3519,
2.9334


 13.1229, 15.3519,
2.9334


 12.9899, 15.2142,
2.4933


 13.3057, 15.5111,
3.6311

 12.9055, 15.1192,
2.2381

 13.5439, 15.6923,
4.6203

 13.8430, 15.8983,
5.9290

 14.2077, 16.1311,
7.5817

 14.6422, 16.3922,
9.6008

■ 15.1504, 16.6832,
12.0064

■ 15.7359, 17.0057,
14.8174

■ 16.4020, 17.3608,
18.0515

■ 17.1518, 17.7499,
21.7251

Harmonies

Analogous

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



17.2776, 15.3519, 3.1845



13.1229, 15.3519, 2.9334



10.0077, 15.3519, 4.8552

Triad

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



13.1229, 15.3519, 2.9334



9.4407, 15.3519, 36.3263



23.3603, 15.3519, 25.0822

Complementary

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



13.1229, 15.3519, 2.9334



3.7676, 2.0630, 16.7224

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.



20.3967, 15.3519, 40.0163



13.1229, 15.3519, 2.9334



12.1994, 15.3519, 48.3279

Square

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



13.1229, 15.3519, 2.9334



8.1620, 15.3519, 21.4605



16.1658, 15.3519, 49.9266



23.7346, 15.3519, 12.7274

Rectangle

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



13.1229, 15.3519, 2.9334



8.7353, 15.3519, 8.0435



16.1658, 15.3519, 49.9266



22.6112, 15.3519, 30.0834

Sweetspot

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



13.1233, 15.3526, 2.9337



26.3613, 29.1737, 19.8166



7.6260, 4.2828, 1.3334



6.2289, 6.9256, 4.4433



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.



13.1233, 15.3526, 2.9337



22.6801, 26.5525, 3.9730



9.1043, 13.9499, 2.8748



3.9542, 4.2414, 3.9526



14.4797, 16.9606, 2.5106



70.4010, 82.3305, 12.1809

Inverse Universe

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



3.7676, 2.0630, 16.7224



5.6438, 2.3935, 29.2090



5.4654, 2.8248, 16.7800



3.5117, 3.6121, 4.6024



3.5930, 1.5257, 18.6477



17.3526, 7.1217, 90.8203

Previews

White Background



This preview shows how the XYZ color 13.1229, 15.3519, 2.9334 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 13.1229, 15.3519, 2.9334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

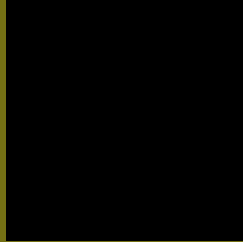
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1229, 15.3519, 2.9334

Background



This preview shows how black text looks on a background with the XYZ color 13.1229, 15.3519, 2.9334.



This preview shows how white text looks on a background with the XYZ color 13.1229, 15.3519,

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

13.1229, 15.3519, 2.9334

Protanopia

13.8619, 15.4098, 2.8599

Deuteranopia

15.6070, 15.3741, 3.0646



Tritanopia

16.0433, 15.2814, 17.4333

Trichromacy



Original Color

13.1229, 15.3519, 2.9334

Protanomaly

13.5477, 15.4090, 2.8763

Deuteranomaly

14.6183, 15.3231, 2.9978

Tritanomaly

14.4147, 15.0730, 9.5468

Monochromacy



Original Color

13.1229, 15.3519, 2.9334

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5410, 13.9773, 8.3402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1229, 15.3519, 2.9334 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(116, 112, 20)` looks like.

```
.text, #text, p{  
    color:rgb(116, 112, 20)  
}
```

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(116, 112, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 112, 20) }
```

Border

The CSS property to change the border of an element to XYZ 13.1229, 15.3519, 2.9334 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(116, 112, 20) }
```


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

```
.border{ border-color:rgb(116, 112, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 112, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 112, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 112, 20);  
box-shadow:4px 4px 4px 4px rgb(116, 112,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1229, 15.3519, 2.9334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 112, 20) }
```

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

```
.background{ background-color: rgb(116,  
112, 20) }
```

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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