

Converting Colors

XYZ(12.9612, 18.9137, 3.7269)

Have a look what the booklet for
XYZ(12.9612, 18.9137, 3.7269)
contains.

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Color

**XYZ(13.0122, 18.9401,
3.7291)**

Conversions

Conversions Part 1

Format	Color
Hex	5E8416
RGB	94, 132, 22
RGB Percent	37%, 52%, 9%
CMY	0.6314, 0.4823, 0.9137
CMYK	0.29, 0.00, 0.83, 0.48
HSL	81°, 71%, 30%
HSV	81°, 83%, 52%
XYZ	13.0122, 18.9401, 3.7291
YIQ	108.0980, 12.6620, -42.2660

Conversions

Conversions Part 2

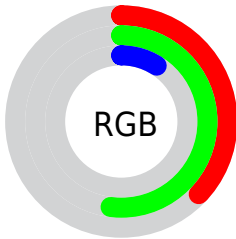
Format	Color
RYB	22, 132, 60
Decimal	6194198
CIELab	50.62, -29.45, 49.91
CIELCh	51, 57.947, 120.542
Yxy	18.9401, 0.3647, 0.5308
Android (android.graphics.Color)	4284384278 (0xFF5E8416)
YUV	108.0980, -42.4463, -12.3639
Hunter-Lab	43.5202, -22.7903, 25.3838

Details

The XYZ color **13.0122, 18.9401, 3.7291** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.3161, 3.2010, 22.1158**, and the grayscale version is **14.3949, 15.1446, 16.4925**.

A 20% lighter version of the original color is **30.9013, 41.5296, 13.4085**, and **3.9721, 6.5268, 1.0505** is the 20% darker color. If you saturate the color by 10%, you get **12.4620, 18.6683, 3.1994**, and if you desaturate by 10%, it is **13.6558, 19.2538, 4.6029**.

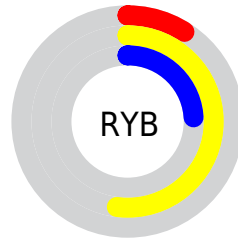
Distribution



Red (37%)

Green (52%)

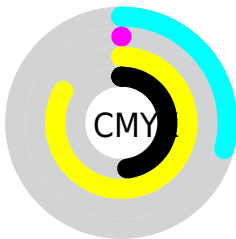
Blue (9%)



Red (9%)

Yellow (52%)

Blue (24%)

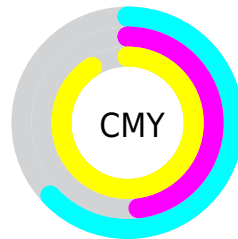


Cyan (29%)

Magenta (0%)

Yellow (83%)

Black (48%)



Cyan (63%)

Magenta (48%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0122, 18.9401, 3.7291 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 13.0122, 18.9401, 3.7291 by changing the saturation by 10% instead.

■ 13.0122, 18.9401,
3.7291

■ 13.0122, 18.9401,
3.7291

204.6319,
246.1179, 145.1650

■ 7.5140, 11.6270,
1.4779

■ 30.9268, 41.6329,
13.3800

■ 3.8347, 6.4902,
0.2014

■ 44.0740, 57.7813,
21.6168

■ 1.6091, 3.1454,
0.0000

■ 60.5015, 77.6437,
32.6859

■ 0.3983, 1.2081,
0.0000

■ 80.5747, 101.6043,
47.0059

■ 0.0000, 0.0683,
0.0000

■ 104.6590,
130.0477, 64.9953

■ 0.0000, 0.0000,
0.0000

■ 133.1197,

163.3581, 87.0725

166.3222,
201.9201, 113.6562

13.0122, 18.9401,
3.7291

13.0122, 18.9401,
3.7291

12.4620, 18.6683,
3.1994

13.6558, 19.2538,
4.6029

12.1261, 18.5006,
2.9319

14.4010, 19.6108,
5.8668

15.2561, 20.0150,
7.5603

16.2280, 20.4693,
9.7178

17.3231, 20.9763,
12.3700

■ 18.5470, 21.5382,
15.5452

■ 19.9052, 22.1574,
19.2694

■ 21.4027, 22.8358,
23.5670

■ 23.0441, 23.5753,
28.4607

Harmonies

Analogous

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



17.8991, 18.9401, 2.5090



13.0122, 18.9401, 3.7291



10.0822, 18.9401, 8.7660

Triad

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



13.0122, 18.9401, 3.7291



13.1565, 18.9401, 61.4871



31.2473, 18.9401, 20.3288

Complementary

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



13.0122, 18.9401, 3.7291



6.3161, 3.2010, 22.1158

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.



29.2568, 18.9401, 40.0963



13.0122, 18.9401, 3.7291



18.1052, 18.9401, 70.2280

Square

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



13.0122, 18.9401, 3.7291



10.1523, 18.9401, 40.8979



24.1277, 18.9401, 60.8777



29.1145, 18.9401, 8.4801

Rectangle

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



13.0122, 18.9401, 3.7291



9.2495, 18.9401, 15.9069



24.1277, 18.9401, 60.8777



31.0345, 18.9401, 26.1887

Sweetspot

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



13.0126, 18.9409, 3.7295



32.1683, 37.7085, 26.0526



11.2082, 8.0580, 1.7240



7.3364, 8.7091, 5.6656



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.0126, 18.9409, 3.7295



21.1942, 32.5023, 5.1565



9.2848, 17.0192, 3.5550



4.8877, 5.3446, 5.0034



11.7464, 17.9154, 2.8389



0.0486, 0.0661, 0.0102

Inverse Universe

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



6.3161, 3.2010, 22.1158



9.1416, 3.8652, 38.7174



11.3487, 5.7954, 22.3513



4.5750, 4.6170, 5.8508



5.1118, 2.1694, 21.2860



0.0250, 0.0113, 0.0741

Previews

White Background



This preview shows how the XYZ color 13.0122, 18.9401, 3.7291 looks on a white 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

Black Background



This preview shows how the XYZ color 13.0122, 18.9401, 3.7291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

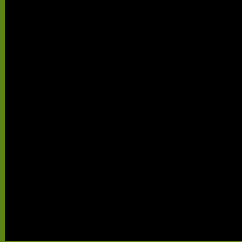
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0122, 18.9401, 3.7291

Background



This preview shows how black text looks on a background with the XYZ color 13.0122, 18.9401, 3.7291.



This preview shows how white text looks on a background with the XYZ color 13.0122, 18.9401,

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

13.0122, 18.9401, 3.7291

Protanopia

16.8257, 18.6309, 3.3254

Deuteranopia

19.0405, 18.7182, 3.9759



Tritanopia

17.2605, 18.9235, 24.9332

Trichromacy



Original Color

13.0122, 18.9401, 3.7291

Protanomaly

15.0796, 18.4589, 3.4300

Deuteranomaly

16.2529, 18.5044, 3.8137

Tritanomaly

14.9161, 18.5368, 13.1477

Monochromacy



Original Color

13.0122, 18.9401, 3.7291

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2944, 16.1420, 9.4362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0122, 18.9401, 3.7291 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(94, 132, 22)` looks like.

```
.text, #text, p{  
    color:rgb(94, 132, 22)  
}
```

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(94, 132, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 132, 22) }
```

Border

The CSS property to change the border of an element to XYZ 13.0122, 18.9401, 3.7291 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(94, 132, 22) }
```


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

```
.border{ border-color:rgb(94, 132, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 132, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 132, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 132, 22);  
box-shadow:4px 4px 4px 4px rgb(94, 132,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0122, 18.9401, 3.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 132, 22) }
```

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

```
.background{ background-color: rgb(94, 132,  
22) }
```

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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