

Converting Colors

XYZ(12.6342, 18.1554, 0.0000)

Have a look what the booklet for
XYZ(12.6342, 18.1554, 0.0000)
contains.

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Color

**XYZ(13.2171, 18.4672,
2.8679)**

Conversions

Conversions Part 1

Format	Color
Hex	658100
RGB	101, 129, 0
RGB Percent	40%, 51%, 0%
CMY	0.6039, 0.4941, 1.0000
CMYK	0.22, 0.00, 1.00, 0.49
HSL	73°, 100%, 25%
HSV	73°, 100%, 51%
XYZ	13.2171, 18.4672, 2.8679
YIQ	105.9220, 24.7210, -46.0550

Conversions

Conversions Part 2

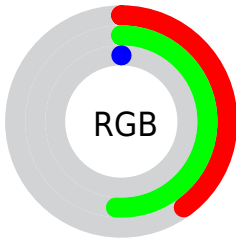
Format	Color
RYB	0, 129, 28
Decimal	6652160
CIELab	50.06, -25.69, 54.39
CIElCh	50, 60.149, 115.285
Yxy	18.4672, 0.3825, 0.5345
Android (android.graphics.Color)	4284842240 (0xFF658100)
YUV	105.9220, -52.2195, -4.3166
Hunter-Lab	42.9735, -20.3034, 26.1246

Details

The XYZ color **13.2171, 18.4672, 2.8679** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.4419, 1.8323, 20.8895**, and the grayscale version is **13.8127, 14.5321, 15.8254**.

A 20% lighter version of the original color is **31.1997, 40.8061, 11.2330**, and **4.1353, 6.3903, 1.0155** is the 20% darker color. If you saturate the color by 10%, you get **13.2173, 18.4679, 2.8680**, and if you desaturate by 10%, it is **13.6085, 18.6613, 3.2624**.

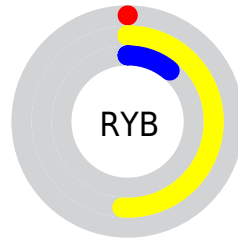
Distribution



Red (40%)

Green (51%)

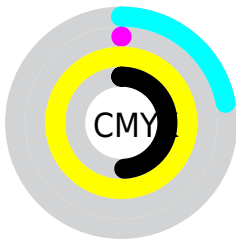
Blue (0%)



Red (0%)

Yellow (51%)

Blue (11%)

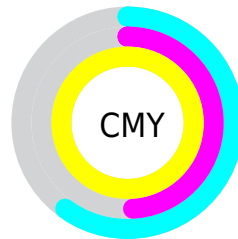


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (60%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2171, 18.4672, 2.8679 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 13.2171, 18.4672, 2.8679 by changing the saturation by 10% instead.

■ 13.2171, 18.4672,
2.8679

■ 13.2171, 18.4672,
2.8679

205.9140,
243.4914, 134.6600

■ 7.6562, 11.2859,
1.0276

■ 31.2913, 40.8318,
11.3007

■ 3.9257, 6.2595,
0.0000

■ 44.5353, 56.7840,
18.7303

■ 1.6602, 3.0035,
0.0000

■ 61.0711, 76.4285,
28.8600

■ 0.4312, 1.1336,
0.0000

■ 81.2640, 100.1499,
42.1084


■ 0.0000, 0.0064,
0.0000


■ 105.4794,
128.3325, 58.8941


■ 0.0000, 0.0000,
0.0000


■ 134.0826,


161.3607, 79.6355


 167.4390,
199.6188, 104.7513


 13.2171, 18.4672,
2.8679


 13.2171, 18.4672,
2.8679


 13.2173, 18.4679,
2.8680

 13.6085, 18.6613,
3.2624

 14.0505, 18.8762,
3.8690

 14.5682, 19.1226,
4.8175

 15.1695, 19.4037,
6.1487

 15.8612, 19.7223,
7.8977

■ 16.6492, 20.0807,
10.0958

■ 17.5391, 20.4812,
12.7711

■ 18.5357, 20.9256,
15.9496

■ 19.6439, 21.4160,
19.6553

Harmonies

Analogous

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



18.4828, 18.4672, 2.1369



13.2171, 18.4672, 2.8679



9.9047, 18.4672, 6.8745

Triad

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



13.2171, 18.4672, 2.8679



11.9491, 18.4672, 59.3076



31.1365, 18.4672, 22.8416

Complementary

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



13.2171, 18.4672, 2.8679



4.4419, 1.8323, 20.8895

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.



28.3759, 18.4672, 44.2541



13.2171, 18.4672, 2.8679



16.6540, 18.4672, 71.5004

Square

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



13.2171, 18.4672, 2.8679



9.2933, 18.4672, 37.0150



22.7453, 18.4672, 64.8580



29.6541, 18.4672, 9.3391

Rectangle

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



13.2171, 18.4672, 2.8679



8.8421, 18.4672, 13.0525



22.7453, 18.4672, 64.8580



30.6594, 18.4672, 29.3339

Sweetspot

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



13.2175, 18.4680, 2.8683



31.2877, 36.6219, 22.5001



9.4680, 5.4959, 0.5620



6.9515, 8.2307, 4.6946



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.2175, 18.4680, 2.8683



23.5370, 33.0027, 5.1296



8.5978, 16.0865, 2.6521



4.5769, 4.9738, 4.6389



12.8899, 18.0074, 2.7964



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.4419, 1.8323, 20.8895



7.8423, 3.2231, 37.4013



8.4219, 3.8840, 21.0757



4.1894, 4.2533, 5.4134



4.3336, 1.7877, 20.3666



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2171, 18.4672, 2.8679 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 13.2171, 18.4672, 2.8679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

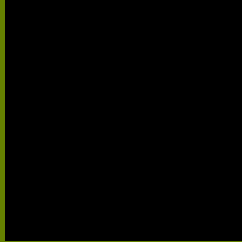
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2171, 18.4672, 2.8679

Background



This preview shows how black text looks on a background with the XYZ color 13.2171, 18.4672, 2.8679.



This preview shows how white text looks on a background with the XYZ color 13.2171, 18.4672,

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

13.2171, 18.4672, 2.8679

Protanopia

16.4283, 18.2620, 2.6590

Deuteranopia

18.6375, 18.3561, 3.3714



Tritanopia

17.3610, 18.4627, 23.4175

Trichromacy



Original Color

13.2171, 18.4672, 2.8679

Protanomaly

15.1090, 18.3035, 2.7366

Deuteranomaly

16.1988, 18.1337, 3.0983

Tritanomaly

14.7903, 17.9633, 10.6704

Monochromacy



Original Color

13.2171, 18.4672, 2.8679

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.7394, 15.3829, 7.6080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2171, 18.4672, 2.8679 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(101, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 129, 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(101, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.2171, 18.4672, 2.8679 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(101, 129, 0) }
```


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

```
.border{ border-color:rgb(101, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2171, 18.4672, 2.8679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 129, 0) }
```

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

```
.background{ background-color: rgb(101,  
129, 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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