

Converting Colors

XYZ(13.2225, 18.9963, 2.7574)

Have a look what the booklet for
XYZ(13.2225, 18.9963, 2.7574)
contains.

XYZ(13.2883, 19.0992, 2.9861)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.2883, 19.0992,
2.9861)**

Conversions

Conversions Part 1

Format	Color
Hex	628400
RGB	98, 132, 0
RGB Percent	38%, 52%, 0%
CMY	0.6157, 0.4823, 1.0000
CMYK	0.26, 0.00, 1.00, 0.48
HSL	75°, 100%, 26%
HSV	75°, 100%, 52%
XYZ	13.2883, 19.0992, 2.9861
YIQ	106.7860, 22.1080, -48.2600

Conversions

Conversions Part 2

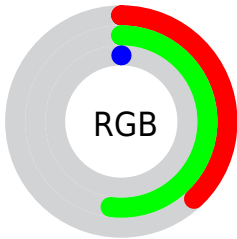
Format	Color
RYB	0, 132, 34
Decimal	6456320
CIELab	50.80, -28.44, 54.86
CIELCh	51, 61.797, 117.399
Yxy	19.0992, 0.3757, 0.5399
Android (android.graphics.Color)	4284646400 (0xFF628400)
YUV	106.7860, -52.6455, -7.7053
Hunter-Lab	43.7026, -22.2046, 26.5407

Details

The XYZ color **13.2883, 19.0992, 2.9861** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.8252, 2.0065, 21.9639**, and the grayscale version is **14.0534, 14.7853, 16.1012**.

A 20% lighter version of the original color is **31.2812, 41.7667, 11.5673**, and **4.1440, 6.6154, 1.0585** is the 20% darker color. If you saturate the color by 10%, you get **13.2885, 19.0999, 2.9863**, and if you desaturate by 10%, it is **13.7375, 19.3228, 3.3935**.

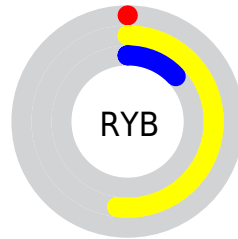
Distribution



Red (38%)

Green (52%)

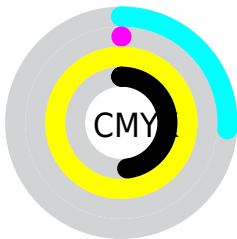
Blue (0%)



Red (0%)

Yellow (52%)

Blue (13%)

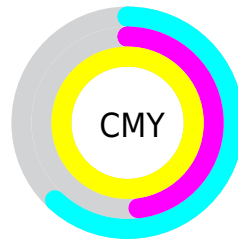


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (62%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2883, 19.0992, 2.9861 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 13.2883, 19.0992, 2.9861 by changing the saturation by 10% instead.

■ 13.2883, 19.0992,
2.9861

■ 13.2883, 19.0992,
2.9861

206.3576,
246.9959, 136.1834

■ 7.7057, 11.7420,
1.0875

■ 31.4177, 41.9017,
11.5941

■ 3.9575, 6.5682,
0.0000

■ 44.6952, 58.1157,
19.1407

■ 1.6781, 3.1936,
0.0000

■ 61.2685, 78.0508,
29.4069

■ 0.4425, 1.2336,
0.0000

■ 81.5028, 102.0913,
42.8115


■ 0.0000, 0.0889,
0.0000


■ 105.7635,
130.6217, 59.7729


■ 0.0000, 0.0000,
0.0000


■ 134.4159,


164.0263, 80.7096


 167.8256,
202.6896, 106.0403


 13.2883, 19.0992,
2.9861


 13.2883, 19.0992,
2.9861


 13.2885, 19.0999,
2.9863

 13.7375, 19.3228,
3.3935

 14.2451, 19.5710,
4.0282

 14.8369, 19.8547,
5.0231

 15.5215, 20.1773,
6.4217

 16.3059, 20.5418,
8.2612

■ 17.1967, 20.9508,
10.5747

■ 18.1997, 21.4065,
13.3920

■ 19.3202, 21.9112,
16.7406

■ 20.5634, 22.4669,
20.6458

Harmonies

Analogous

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



18.6887, 19.0992, 2.0777



13.2883, 19.0992, 2.9861



9.9798, 19.0992, 7.4722

Triad

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



13.2883, 19.0992, 2.9861



12.5561, 19.0992, 63.6617



32.5111, 19.0992, 22.3518

Complementary

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



13.2883, 19.0992, 2.9861



4.8252, 2.0065, 21.9639

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.



29.8871, 19.0992, 44.5461



13.2883, 19.0992, 2.9861



17.6281, 19.0992, 75.3590

Square

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



13.2883, 19.0992, 2.9861



9.6281, 19.0992, 40.3163



24.0806, 19.0992, 66.9177



30.6326, 19.0992, 8.8821

Rectangle

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



13.2883, 19.0992, 2.9861



8.9691, 19.0992, 14.3149



24.0806, 19.0992, 66.9177



32.1153, 19.0992, 28.9861

Sweetspot

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



13.2887, 19.1001, 2.9865



31.9313, 37.6487, 23.2247



10.0603, 5.9939, 0.6269



7.2815, 8.6962, 4.9708



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.



13.2887, 19.1001, 2.9865



23.2629, 33.5688, 5.2533



8.8791, 16.8268, 2.7801



4.9258, 5.3643, 5.0052



12.8710, 18.4952, 2.8916



0.0514, 0.0676, 0.0103

Inverse Universe

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



4.8252, 2.0065, 21.9639



8.3756, 3.4703, 38.6815



9.3112, 4.3191, 22.1738



4.5387, 4.5983, 5.8491



4.6760, 1.9447, 21.2656



0.0222, 0.0098, 0.0740

Previews

White Background



This preview shows how the XYZ color 13.2883, 19.0992, 2.9861 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 13.2883, 19.0992, 2.9861 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 13.2883, 19.0992, 2.9861

Background



This preview shows how black text looks on a background with the XYZ color 13.2883, 19.0992, 2.9861.



This preview shows how white text looks on a background with the XYZ color 13.2883, 19.0992,

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

13.2883, 19.0992, 2.9861

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

19.2445, 19.0028, 3.5178



Tritanopia

17.6782, 19.1469, 24.5938

Trichromacy



Original Color

13.2883, 19.0992, 2.9861

Protanomaly

15.3597, 18.8048, 2.8202

Deuteranomaly

16.4393, 18.6148, 3.1785

Tritanomaly

15.0049, 18.6260, 11.1918

Monochromacy



Original Color

13.2883, 19.0992, 2.9861

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9977, 15.8512, 7.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2883, 19.0992, 2.9861 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(98, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 132, 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(98, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.2883, 19.0992, 2.9861 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(98, 132, 0) }
```


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

```
.border{ border-color:rgb(98, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 132, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2883, 19.0992, 2.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 132, 0) }
```

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

```
.background{ background-color: rgb(98, 132,  
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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