

Converting Colors

XYZ(13.1181, 18.8473, 10.9684)

Have a look what the booklet for
XYZ(13.1181, 18.8473, 10.9684)
contains.

XYZ(13.0825, 18.8172, 10.9252)	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(13.0825, 18.8172,
10.9252)**

Conversions

Conversions Part 1

Format	Color
Hex	508452
RGB	80, 132, 82
RGB Percent	31%, 52%, 32%
CMY	0.6863, 0.4823, 0.6784
CMYK	0.39, 0.00, 0.38, 0.48
HSL	122°, 25%, 42%
HSV	122°, 39%, 52%
XYZ	13.0825, 18.8172, 10.9252
YIQ	110.7520, -14.9420, -26.5740

Conversions

Conversions Part 2

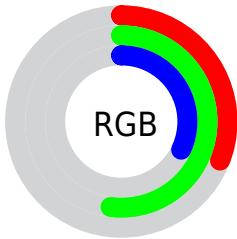
Format	Color
RYB	80, 130, 132
Decimal	5276754
CIELab	50.47, -28.36, 21.67
CIElCh	50, 35.693, 142.615
Yxy	18.8172, 0.3055, 0.4394
Android (android.graphics.Color)	4283466834 (0xFF508452)
YUV	110.7520, -14.1747, -26.9695
Hunter-Lab	43.3788, -22.0795, 15.4326

Details

The XYZ color **13.0825, 18.8172, 10.9252** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.4142, 12.2549, 22.6200**, and the grayscale version is **15.0808, 15.8662, 17.2783**.

A 20% lighter version of the original color is **31.0295, 41.2694, 28.1602**, and **3.8712, 6.4380, 2.7077** is the 20% darker color. If you saturate the color by 10%, you get **11.6365, 18.1230, 8.5655**, and if you desaturate by 10%, it is **14.8378, 19.6616, 13.7667**.

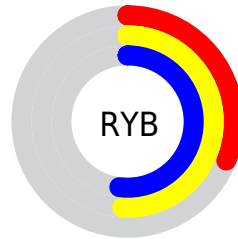
Distribution



Red (31%)

Green (52%)

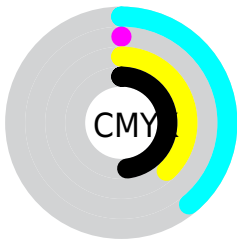
Blue (32%)



Red (31%)

Yellow (51%)

Blue (52%)

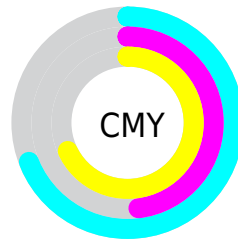


Cyan (39%)

Magenta (0%)

Yellow (38%)

Black (48%)



Cyan (69%)

Magenta (48%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0825, 18.8172, 10.9252 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 13.0825, 18.8172, 10.9252 by changing the saturation by 10% instead.

■ 13.0825, 18.8172,
10.9252

■ 13.0825, 18.8172,
10.9252

205.0726,
245.4377, 207.8726

■ 7.5628, 11.5383,
5.9030

■ 31.0520, 41.4250,
28.1563

■ 3.8659, 6.4301,
2.7184

■ 44.2324, 57.5226,
41.2023

■ 1.6266, 3.1083,
0.9527

■ 60.6972, 77.3286,
57.7600

■ 0.4096, 1.1886,
0.0000

■ 80.8116, 101.2274,
78.2479

■ 0.0000, 0.0523,
0.0000

■ 104.9409,
129.6032, 103.0846

■ 0.0000, 0.0000,
0.0000

133.4507,

162.8407, 132.6886

166.7061,
201.3240, 167.4784

■ 13.0825, 18.8172,
10.9252

■ 13.0825, 18.8172,
10.9252

■ 11.6365, 18.1230,
8.5655

■ 14.8378, 19.6616,
13.7667

■ 10.4806, 17.5681,
6.6596

■ 16.9175, 20.6618,
17.1131

■ 9.5955, 17.1437,
5.1788

■ 19.3371, 21.8259,
20.9879

■ 8.9593, 16.8392,
4.0905

■ 22.1110, 23.1608,
25.4124

■ 8.5464, 16.6421,
3.3575

■ 25.2526, 24.6731,
30.4071

■ 8.2937, 16.5213,
2.9197

■ 28.7747, 26.3689,
35.9910

■ 8.2795, 16.5144,
2.8971

■ 32.6895, 28.2540,
42.1826

■ 37.0085, 30.3341,
48.9995

■ 41.7428, 32.6146,
56.4584

Harmonies

Analogous

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



15.4360, 18.8172, 7.4112



13.0825, 18.8172, 10.9252



12.0417, 18.8172, 18.1255

Triad

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



13.0825, 18.8172, 10.9252



17.0398, 18.8172, 45.9397



24.7921, 18.8172, 13.9739

Complementary

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



13.0825, 18.8172, 10.9252



16.4142, 12.2549, 22.6200

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.



25.3665, 18.8172, 23.0489



13.0825, 18.8172, 10.9252



20.5806, 18.8172, 43.7266

Square

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



13.0825, 18.8172, 10.9252



14.1261, 18.8172, 39.7736



23.7393, 18.8172, 34.4478



22.2582, 18.8172, 8.7318

Rectangle

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



13.0825, 18.8172, 10.9252



12.1233, 18.8172, 24.9605



23.7393, 18.8172, 34.4478



25.2330, 18.8172, 16.5858

Sweetspot

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



13.0830, 18.8180, 10.9256



32.7735, 37.8251, 34.9101



18.9469, 21.8496, 10.8083



7.5225, 8.7546, 7.9552



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.



13.0830, 18.8180, 10.9256



20.8091, 32.0723, 15.5991



14.2526, 19.2858, 17.0849



4.6230, 5.2074, 5.0261



8.0167, 15.9895, 2.8075



0.0282, 0.0556, 0.0121

Inverse Universe

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



16.4142, 12.2549, 22.6200



27.5102, 18.8649, 39.1200



14.8972, 11.6481, 14.6314



4.8504, 4.7598, 5.8243



12.9182, 6.2316, 19.9392



0.0454, 0.0218, 0.0722

Previews

White Background



This preview shows how the XYZ color 13.0825, 18.8172, 10.9252 looks on a white background.

Color Contrast Check

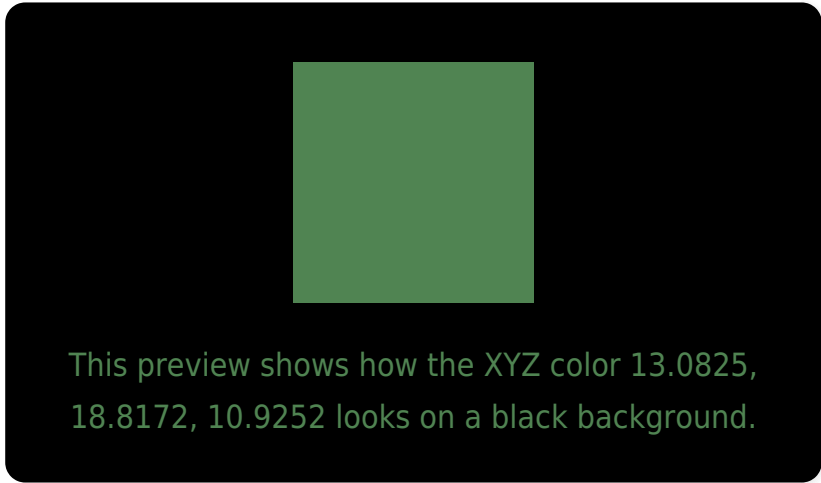
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 13.0825, 18.8172, 10.9252

Background



This preview shows how black text looks on a background with the XYZ color 13.0825, 18.8172, 10.9252.



This preview shows how white text looks on a background with the XYZ color 13.0825, 18.8172,

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

13.0825, 18.8172, 10.9252

Protanopia

17.2619, 18.7146, 9.7237

Deuteranopia

18.9658, 18.6841, 11.4109



Tritanopia

16.2192, 18.9234, 26.0903

Trichromacy



Original Color

13.0825, 18.8172, 10.9252

Protanomaly

15.3010, 18.4246, 10.1470

Deuteranomaly

16.0848, 18.2526, 11.2697

Tritanomaly

14.8020, 18.7255, 19.3572

Monochromacy



Original Color

13.0825, 18.8172, 10.9252

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.1526, 16.8231, 14.5578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0825, 18.8172, 10.9252 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(80, 132, 82)` looks like.

```
.text, #text, p{  
    color:rgb(80, 132, 82)  
}
```

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(80, 132, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 132, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.0825, 18.8172, 10.9252 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(80, 132, 82) }
```


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

```
.border{ border-color:rgb(80, 132, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 132, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 132, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 132, 82);  
box-shadow:4px 4px 4px 4px rgb(80, 132,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0825, 18.8172, 10.9252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 132, 82) }
```

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

```
.background{ background-color: rgb(80, 132,  
82) }
```

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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