

Converting Colors

XYZ(12.9600, 18.7652, 10.4519)

Have a look what the booklet for
XYZ(12.9600, 18.7652, 10.4519)
contains.

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Color

**XYZ(13.0075, 18.7872,
10.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	508450
RGB	80, 132, 80
RGB Percent	31%, 52%, 31%
CMY	0.6863, 0.4823, 0.6863
CMYK	0.39, 0.00, 0.39, 0.48
HSL	120°, 25%, 42%
HSV	120°, 39%, 52%
XYZ	13.0075, 18.7872, 10.5301
YIQ	110.5240, -14.3000, -27.1960

Conversions

Conversions Part 2

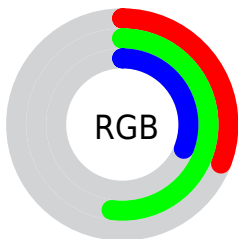
Format	Color
R_{YB}	80, 132, 132
Decimal	5276752
CIE Lab	50.44, -28.70, 22.74
CIE LCh	50, 36.622, 141.606
Yxy	18.7872, 0.3073, 0.4439
Android (android.graphics.Color)	4283466832 (0xFF508450)
YUV	110.5240, -15.0483, -26.7695
Hunter-Lab	43.3442, -22.2849, 15.9369

Details

The XYZ color **13.0075, 18.7872, 10.5301** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.5499, 12.3092, 23.3342**, and the grayscale version is **15.0172, 15.7992, 17.2053**.

A 20% lighter version of the original color is **30.8939, 41.2152, 27.4461**, and **3.8414, 6.4261, 2.5513** is the 20% darker color. If you saturate the color by 10%, you get **11.5599, 18.0924, 8.1619**, and if you desaturate by 10%, it is **14.7709, 19.6348, 13.4141**.

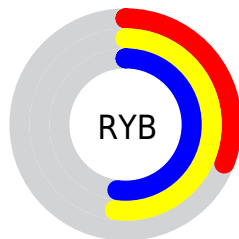
Distribution



Red (31%)

Green (52%)

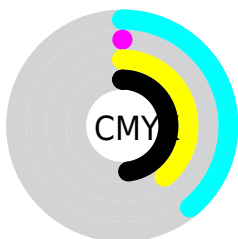
Blue (31%)



Red (31%)

Yellow (52%)

Blue (52%)

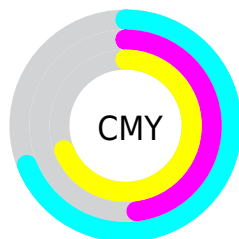


Cyan (39%)

Magenta (0%)

Yellow (39%)

Black (48%)



Cyan (69%)

Magenta (48%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0075, 18.7872, 10.5301 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 13.0075, 18.7872, 10.5301 by changing the saturation by 10% instead.

■ 13.0075, 18.7872,
10.5301

■ 13.0075, 18.7872,
10.5301

204.6024,
245.2715, 205.0351

■ 7.5107, 11.5166,
5.6416

■ 30.9185, 41.3742,
27.4111

■ 3.8327, 6.4154,
2.5632

■ 44.0634, 57.4594,
40.2408

■ 1.6079, 3.0993,
0.8734

■ 60.4884, 77.2516,
56.5547

■ 0.3976, 1.1838,
0.0000

■ 80.5588, 101.1352,
76.7712

■ 0.0000, 0.0484,
0.0000

■ 104.6401,
129.4946, 101.3090

■ 0.0000, 0.0000,
0.0000

133.0976,

162.7142, 130.5865

166.2965,
201.1783, 165.0224

■ 13.0075, 18.7872,
10.5301

■ 13.0075, 18.7872,
10.5301

■ 11.5599, 18.0924,
8.1619

■ 14.7709, 19.6348,
13.4141

■ 10.4081, 17.5391,
6.2779

■ 16.8657, 20.6411,
16.8406

■ 9.5322, 17.1184,
4.8452

■ 19.3082, 21.8143,
20.8357

■ 8.9091, 16.8191,
3.8260

■ 22.1132, 23.1617,
25.4237

■ 8.5120, 16.6283,
3.1765

■ 25.2945, 24.6898,
30.6273

■ 8.2660, 16.5102,
2.7741

■ 28.8654, 26.4051,
36.4682

■ 8.2517, 16.5033,
2.7506

■ 32.8385, 28.3136,
42.9668

■ 37.2257, 30.4210,
50.1428

■ 42.0385, 32.7328,
58.0150

Harmonies

Analogous

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



15.4510, 18.7872, 7.0995



13.0075, 18.7872, 10.5301



11.9006, 18.7872, 17.7235

Triad

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



13.0075, 18.7872, 10.5301



16.8752, 18.7872, 46.6524



25.0134, 18.7872, 14.0486

Complementary

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



13.0075, 18.7872, 10.5301



16.5499, 12.3092, 23.3342

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.



25.5277, 18.7872, 23.4559



13.0075, 18.7872, 10.5301



20.4999, 18.7872, 44.6572

Square

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



13.0075, 18.7872, 10.5301



13.9309, 18.7872, 40.0086



23.7822, 18.7872, 35.2211



22.4583, 18.7872, 8.6100

Rectangle

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



13.0075, 18.7872, 10.5301



11.9515, 18.7872, 24.6626



23.7822, 18.7872, 35.2211



25.4431, 18.7872, 16.7573

Sweetspot

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



13.0080, 18.7880, 10.5305



32.7095, 37.7995, 34.5735



19.2158, 21.9882, 10.8209



7.5065, 8.7482, 7.8712



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.



13.0080, 18.7880, 10.5305



20.6738, 32.0182, 14.8869



14.1616, 19.2494, 16.6053



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6631



0.0277, 0.0554, 0.0092

Inverse Universe

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



16.5499, 12.3092, 23.3342



27.8010, 18.9812, 40.6511



14.9865, 11.6838, 15.1015



4.8579, 4.7628, 5.8640



13.2461, 6.3628, 21.6661



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 13.0075, 18.7872, 10.5301 looks on a white background.

Color Contrast Check

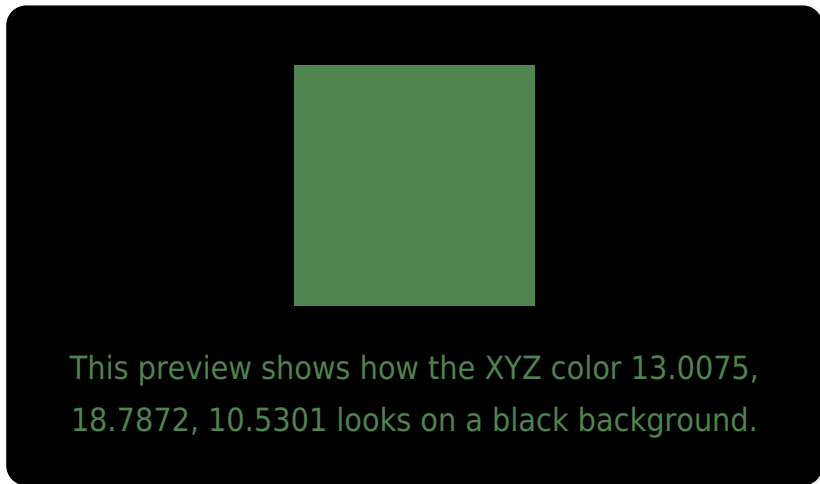
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0075, 18.7872, 10.5301

Background



This preview shows how black text looks on a background with the XYZ color 13.0075, 18.7872, 10.5301.



This preview shows how white text looks on a background with the XYZ color 13.0075, 18.7872,

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

13.0075, 18.7872, 10.5301

Protanopia

17.1924, 18.6868, 9.3574

Deuteranopia

18.7729, 18.4255, 10.9545



Tritanopia

16.0212, 18.6406, 25.6753

Trichromacy



Original Color

13.0075, 18.7872, 10.5301

Protanomaly

15.2293, 18.3959, 9.7693

Deuteranomaly

16.0065, 18.2212, 10.8570

Tritanomaly

14.7442, 18.7024, 19.0525

Monochromacy



Original Color

13.0075, 18.7872, 10.5301

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 13.0075, 18.7872, 10.5301 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, 80)` looks like.

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

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, 80) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 13.0075, 18.7872, 10.5301 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, 80) }
```


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

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

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, 80)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 13.0075, 18.7872, 10.5301 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, 80) }
```

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

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

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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