

Converting Colors

XYZ(13.2782, 15.5395, 18.8302)

Have a look what the booklet for
XYZ(13.2782, 15.5395, 18.8302)
contains.

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Color

**XYZ(13.3076, 15.5971,
18.8322)**

Conversions

Conversions Part 1

Format	Color
Hex	587374
RGB	88, 115, 116
RGB Percent	35%, 45%, 45%
CMY	0.6549, 0.5490, 0.5451
CMYK	0.24, 0.01, 0.00, 0.55
HSL	182°, 14%, 40%
HSV	182°, 24%, 45%
XYZ	13.3076, 15.5971, 18.8322
YIQ	107.0410, -16.4130, -5.4130

Conversions

Conversions Part 2

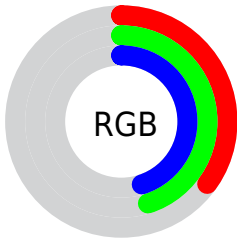
Format	Color
R _Y B	88, 102, 116
Decimal	5796724
CIE Lab	46.44, -9.51, -3.77
CIE LCh	46, 10.234, 201.643
Yxy	15.5971, 0.2788, 0.3267
Android (android.graphics.Color)	4283986804 (0xFF587374)
YUV	107.0410, 4.4168, -16.6990
Hunter-Lab	39.4932, -8.9658, -0.6270

Details

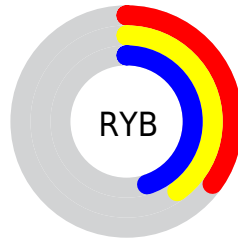
The XYZ color **13.3076, 15.5971, 18.8322** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5365, 11.5624, 10.8038**, and the grayscale version is **13.9782, 14.7062, 16.0150**.

A 20% lighter version of the original color is **31.5341, 35.9536, 42.3235**, and **3.9650, 4.9031, 6.2063** is the 20% darker color. If you saturate the color by 10%, you get **12.2488, 14.9818, 18.7695**, and if you desaturate by 10%, it is **14.5423, 16.3042, 18.9039**.

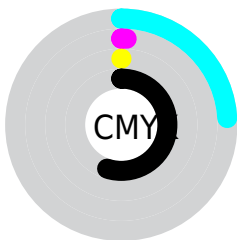
Distribution



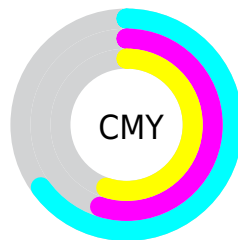
- Red (35%)
- Green (45%)
- Blue (45%)



- Red (35%)
- Yellow (40%)
- Blue (45%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (55%)



- Cyan (65%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3076, 15.5971, 18.8322 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 13.3076, 15.5971, 18.8322 by changing the saturation by 10% instead.

■ 13.3076, 15.5971,
18.8322

■ 13.3076, 15.5971,
18.8322

206.4777,
226.9524, 257.9126

■ 7.7192, 9.2395,
11.3735

■ 31.4519, 35.8973,
42.2833

■ 3.9661, 4.8977,
6.2013

■ 44.7385, 50.6087,
59.1127

■ 1.6830, 2.1874,
2.8971

■ 61.3219, 68.8736,
79.9029

■ 0.4456, 0.7131,
1.0423

■ 81.5674, 91.0762,
105.0722

■ 0.0000, 0.0000,
0.0000

■ 105.8404,
117.6010, 135.0394

134.5062,

148.8323, 170.2228

167.9302,
185.1547, 211.0410

■ 13.3076, 15.5971,
18.8322

■ 13.3076, 15.5971,
18.8322

■ 12.2488, 14.9818,
18.7695

■ 14.5423, 16.3042,
18.9039

■ 11.3563, 14.4521,
18.7143

■ 15.9592, 17.1051,
18.9838

■ 10.6216, 14.0041,
18.6665

■ 17.5660, 18.0043,
19.0727

■ 10.0350, 13.6327,
18.6258

■ 19.3695, 19.0052,
19.1708

■ 9.5856, 13.3324,
18.5915

■ 21.3764, 20.1113,
19.2785

■ 9.2611, 13.0969,
18.5631

■ 23.5927, 21.3256,
19.3961

■ 9.0434, 12.9166,
18.5398

■ 26.0245, 22.6513,
19.5238

■ 8.9316, 12.8192,
18.5269

■ 28.6774, 24.0914,
19.6619

■ 31.5569, 25.6485,
19.8107

Harmonies

Analogous

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



13.2136, 15.5971, 16.2883



13.3076, 15.5971, 18.8322



13.7997, 15.5971, 21.0705

Triad

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



13.3076, 15.5971, 18.8322



16.1906, 15.5971, 20.1689



15.0717, 15.5971, 12.6274

Complementary

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



13.3076, 15.5971, 18.8322



12.5365, 11.5624, 10.8038

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.



15.8990, 15.5971, 13.4608



13.3076, 15.5971, 18.8322



16.5614, 15.5971, 17.6963

Square

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



13.3076, 15.5971, 18.8322



15.4571, 15.5971, 21.8938



16.4527, 15.5971, 15.2582



14.2096, 15.5971, 12.8669

Rectangle

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



13.3076, 15.5971, 18.8322



14.2983, 15.5971, 22.0065



16.4527, 15.5971, 15.2582



15.3636, 15.5971, 12.7881

Sweetspot

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



13.3081, 15.5977, 18.8326



27.2610, 29.6213, 33.3252



12.0705, 15.2859, 11.7511



6.4791, 7.0528, 7.9488



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.3081, 15.5977, 18.8326



22.3137, 26.7925, 33.0399



11.8373, 12.6563, 18.3423



3.7727, 4.1340, 4.6893



10.0202, 14.3800, 20.7901



48.6910, 69.7985, 101.2665

Inverse Universe

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



13.7871, 11.9306, 17.7965



23.3159, 19.1711, 30.8608



13.8078, 14.1051, 11.2276



3.8213, 3.7558, 4.5856



11.3549, 5.4757, 17.6087



55.2637, 26.6556, 85.4409

Previews

White Background



This preview shows how the XYZ color 13.3076, 15.5971, 18.8322 looks on a white 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

Black Background



This preview shows how the XYZ color 13.3076, 15.5971, 18.8322 looks on a black 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

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

XYZ 13.3076, 15.5971, 18.8322

Background



This preview shows how black text looks on a background with the XYZ color 13.3076, 15.5971, 18.8322.



This preview shows how white text looks on a background with the XYZ color 13.3076, 15.5971,

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

13.3076, 15.5971, 18.8322

Protanopia

15.0048, 15.5090, 17.8255

Deuteranopia

15.8638, 15.6053, 19.3156



Tritanopia

13.7123, 15.5885, 21.0251

Trichromacy



Original Color

13.3076, 15.5971, 18.8322

Protanomaly

14.3152, 15.4673, 18.1506

Deuteranomaly

14.7307, 15.5004, 19.0451

Tritanomaly

13.5273, 15.5145, 20.0509

Monochromacy



Original Color

13.3076, 15.5971, 18.8322

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6459, 14.9870, 16.9254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3076, 15.5971, 18.8322 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(88, 115, 116) looks like.

```
.text, #text, p{  
    color:rgb(88, 115, 116)  
}
```

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(88, 115, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 115, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.3076, 15.5971, 18.8322 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(88, 115, 116) }
```


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

```
.border{ border-color:rgb(88, 115, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 115, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 115, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 115, 116);  
box-shadow:4px 4px 4px 4px rgb(88, 115,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3076, 15.5971, 18.8322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 115, 116) }
```

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

```
.background{ background-color: rgb(88, 115,  
116) }
```

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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