

Converting Colors

XYZ(13.3281, 15.9218, 18.3139)

Have a look what the booklet for
XYZ(13.3281, 15.9218, 18.3139)
contains.

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Color

**XYZ(13.3290, 15.9637,
18.2984)**

Conversions

Conversions Part 1

Format	Color
Hex	577572
RGB	87, 117, 114
RGB Percent	34%, 46%, 45%
CMY	0.6588, 0.5412, 0.5529
CMYK	0.26, 0.00, 0.03, 0.54
HSL	174°, 15%, 40%
HSV	174°, 26%, 46%
XYZ	13.3290, 15.9637, 18.2984
YIQ	107.6880, -16.9170, -7.2930

Conversions

Conversions Part 2

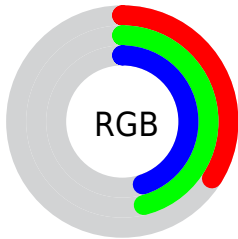
Format	Color
RYB	87, 103, 117
Decimal	5731698
CIELab	46.93, -11.47, -1.87
CIElCh	47, 11.618, 189.285
Yxy	15.9637, 0.2801, 0.3354
Android (android.graphics.Color)	4283921778 (0xFF577572)
YUV	107.6880, 3.1118, -18.1434
Hunter-Lab	39.9546, -10.3723, 0.8146

Details

The XYZ color **13.3290, 15.9637, 18.2984** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5903, 11.3369, 11.1981**, and the grayscale version is **14.1618, 14.8994, 16.2254**.

A 20% lighter version of the original color is **31.5521, 36.5324, 41.4649**, and **3.9866, 5.1007, 5.9287** is the 20% darker color. If you saturate the color by 10%, you get **12.2579, 15.4196, 17.9030**, and if you desaturate by 10%, it is **14.5790, 16.6007, 18.7073**.

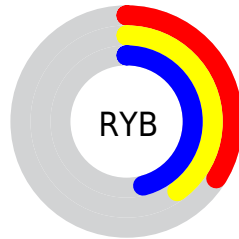
Distribution



Red (34%)

Green (46%)

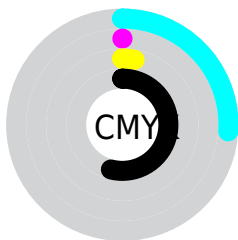
Blue (45%)



Red (34%)

Yellow (40%)

Blue (46%)

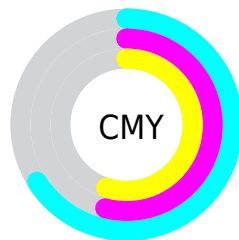


Cyan (26%)

Magenta (0%)

Yellow (3%)

Black (54%)



Cyan (66%)

Magenta (54%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3290, 15.9637, 18.2984 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 13.3290, 15.9637, 18.2984 by changing the saturation by 10% instead.

■ 13.3290, 15.9637,
18.2984

■ 13.3290, 15.9637,
18.2984

206.6108,
229.1274, 254.8400

■ 7.7340, 9.4985,
10.9928

■ 31.4899, 36.5352,
41.3659

■ 3.9756, 5.0677,
5.9479

■ 44.7866, 51.4102,
57.9649

■ 1.6883, 2.2871,
2.7451

■ 61.3812, 69.8573,
78.4988

■ 0.4490, 0.7668,
0.9660

■ 81.6391, 92.2608,
103.3860

■ 0.0000, 0.0000,
0.0000

■ 105.9256,
119.0052, 133.0452

134.6062,

150.4749, 167.8949

168.0461,
187.0541, 208.3537

■ 13.3290, 15.9637,
18.2984

■ 13.3290, 15.9637,
18.2984

■ 12.2579, 15.4196,
17.9030

■ 14.5790, 16.6007,
18.7073

■ 11.3558, 14.9621,
17.5196

■ 16.0144, 17.3329,
19.1290

■ 10.6138, 14.5870,
17.1481

■ 17.6431, 18.1646,
19.5643

■ 10.0220, 14.2893,
16.7880

■ 19.4723, 19.0995,
20.0134

■ 9.5689, 14.0630,
16.4389

■ 21.5086, 20.1411,
20.4768

■ 9.2418, 13.9015,
16.0999

■ 23.7584, 21.2927,
20.9546

■ 9.0169, 13.7926,
15.7702

■ 26.2278, 22.5574,
21.4473

■ 8.9267, 13.7492,
15.6282

■ 28.9227, 23.9382,
21.9551

■ 31.8487, 25.4381,
22.4783

Harmonies

Analogous

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



13.4214, 15.9637, 15.4805



13.3290, 15.9637, 18.2984



13.7134, 15.9637, 21.1626

Triad

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



13.3290, 15.9637, 18.2984



16.4414, 15.9637, 22.0719



15.8732, 15.9637, 12.6644

Complementary

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



13.3290, 15.9637, 18.2984



12.5903, 11.3369, 11.1981

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.



16.7327, 15.9637, 14.0804



13.3290, 15.9637, 18.2984



17.0708, 15.9637, 19.4326

Square

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



13.3290, 15.9637, 18.2984



15.4898, 15.9637, 23.4955



17.1797, 15.9637, 16.4962



14.8606, 15.9637, 12.4328

Rectangle

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



13.3290, 15.9637, 18.2984



14.1988, 15.9637, 22.6379



17.1797, 15.9637, 16.4962



16.1908, 15.9637, 13.0095

Sweetspot

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



13.3295, 15.9644, 18.2988



27.9841, 30.6838, 34.0571



12.3473, 15.6102, 11.3793



6.3579, 7.0159, 7.8083



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.



13.3295, 15.9644, 18.2988



22.6496, 27.9666, 32.3272



12.2444, 13.5164, 18.7939



3.7683, 4.1493, 4.6137



9.8317, 15.1467, 17.2015



47.7314, 73.7398, 82.8795

Inverse Universe

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



12.5903, 11.3369, 11.1981



21.0784, 18.1246, 17.2294



13.4715, 13.2997, 10.8741



3.6975, 3.7063, 3.9337



8.1507, 4.1940, 0.7357



39.5640, 20.3757, 2.7674

Previews

White Background



This preview shows how the XYZ color 13.3290, 15.9637, 18.2984 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 13.3290, 15.9637, 18.2984 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 13.3290, 15.9637, 18.2984

Background



This preview shows how black text looks on a background with the XYZ color 13.3290, 15.9637, 18.2984.



This preview shows how white text looks on a background with the XYZ color 13.3290, 15.9637,

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

13.3290, 15.9637, 18.2984

Protanopia

15.2005, 15.7884, 16.9982

Deuteranopia

16.1227, 15.9080, 18.7438



Tritanopia

13.9522, 15.8660, 21.7291

Trichromacy



Original Color

13.3290, 15.9637, 18.2984

Protanomaly

14.4833, 15.9010, 17.3448

Deuteranomaly

14.8424, 15.7325, 18.4741

Tritanomaly

13.7211, 15.9460, 20.4439

Monochromacy



Original Color

13.3290, 15.9637, 18.2984

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7544, 15.2040, 16.9616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3290, 15.9637, 18.2984 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(87, 117, 114)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 114)  
}
```

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(87, 117, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.3290, 15.9637, 18.2984 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(87, 117, 114) }
```


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

```
.border{ border-color:rgb(87, 117, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 117, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 114);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3290, 15.9637, 18.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 117, 114) }
```

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

```
.background{ background-color: rgb(87, 117,  
114) }
```

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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