

Converting Colors

XYZ(12.9440, 15.6421, 19.5844)

Have a look what the booklet for
XYZ(12.9440, 15.6421, 19.5844)
contains.

XYZ(12.9087, 15.5481, 19.4603)	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(12.9087, 15.5481,
19.4603)**

Conversions

Conversions Part 1

Format	Color
Hex	517476
RGB	81, 116, 118
RGB Percent	32%, 45%, 46%
CMY	0.6823, 0.5451, 0.5373
CMYK	0.31, 0.02, 0.00, 0.54
HSL	183°, 19%, 39%
HSV	183°, 31%, 46%
XYZ	12.9087, 15.5481, 19.4603
YIQ	105.7630, -21.5020, -6.7980

Conversions

Conversions Part 2

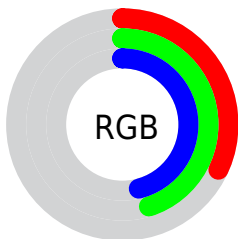
Format	Color
RYB	81, 99, 118
Decimal	5338230
CIELab	46.38, -11.85, -5.11
CIElCh	46, 12.907, 203.336
Yxy	15.5481, 0.2694, 0.3245
Android (android.graphics.Color)	4283528310 (0xFF517476)
YUV	105.7630, 6.0328, -21.7172
Hunter-Lab	39.4311, -10.5682, -1.6595

Details

The XYZ color **12.9087, 15.5481, 19.4603** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0498, 10.6322, 9.2019**, and the grayscale version is **13.6233, 14.3328, 15.6084**.

A 20% lighter version of the original color is **30.7741, 35.8131, 43.3209**, and **3.7998, 4.8998, 6.5398** is the 20% darker color. If you saturate the color by 10%, you get **11.9110, 14.9255, 19.3930**, and if you desaturate by 10%, it is **14.0836, 16.2636, 19.5367**.

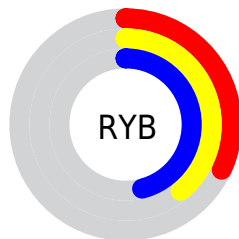
Distribution



Red (32%)

Green (45%)

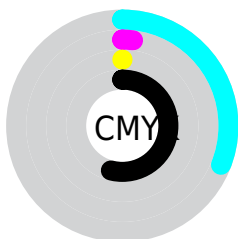
Blue (46%)



Red (32%)

Yellow (39%)

Blue (46%)

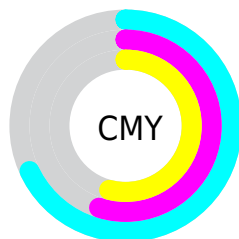


Cyan (31%)

Magenta (2%)

Yellow (0%)

Black (54%)



Cyan (68%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9087, 15.5481, 19.4603 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 12.9087, 15.5481, 19.4603 by changing the saturation by 10% instead.

■ 12.9087, 15.5481,
19.4603

■ 12.9087, 15.5481,
19.4603

203.9812,
226.6602, 261.4851

■ 7.4423, 9.2050,
11.8232

■ 30.7424, 35.8119,
43.3575

■ 3.7890, 4.8751,
6.5023

■ 43.8403, 50.5013,
60.4546

■ 1.5835, 2.1742,
3.0792

■ 60.2128, 68.7416,
81.5422

■ 0.3816, 0.7059,
1.1352

■ 80.2253, 90.9172,
107.0387

■ 0.0000, 0.0000,
0.0000

■ 104.2429,
117.4124, 137.3627

132.6313,

148.6118, 172.9327

165.7555,
184.8995, 214.1674

■ 12.9087, 15.5481,
19.4603

■ 12.9087, 15.5481,
19.4603

■ 11.9110, 14.9255,
19.3930

■ 14.0836, 16.2636,
19.5367

■ 11.0801, 14.3891,
19.3332

■ 15.4427, 17.0745,
19.6216

■ 10.4064, 13.9346,
19.2810

■ 16.9944, 17.9853,
19.7157

■ 9.8790, 13.5563,
19.2358

■ 18.7461, 19.0001,
19.8192

■ 9.4855, 13.2477,
19.1970

■ 20.7049, 20.1224,
19.9326

■ 9.2116, 13.0015,
19.1639

■ 22.8775, 21.3556,
20.0561

■ 9.0232, 12.8142,
19.1377

■ 25.2703, 22.7031,
20.1901

■ 27.8893, 24.1680,
20.3348

■ 30.7406, 25.7534,
20.4905

Harmonies

Analogous

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



12.7633, 15.5481, 16.2317



12.9087, 15.5481, 19.4603



13.5432, 15.5481, 22.3043

Triad

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



12.9087, 15.5481, 19.4603



16.5518, 15.5481, 20.8359



15.0264, 15.5481, 11.5682

Complementary

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



12.9087, 15.5481, 19.4603



12.0498, 10.6322, 9.2019

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.



16.0856, 15.5481, 12.4955



12.9087, 15.5481, 19.4603



16.9943, 15.5481, 17.6465

Square

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



12.9087, 15.5481, 19.4603



15.6372, 15.5481, 23.1652



16.8196, 15.5481, 14.6277



13.9509, 15.5481, 11.9267

Rectangle

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



12.9087, 15.5481, 19.4603



14.1761, 15.5481, 23.4656



16.8196, 15.5481, 14.6277



15.3967, 15.5481, 11.7356

Sweetspot

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



12.9092, 15.5487, 19.4607



27.7055, 30.3484, 34.5346



11.4276, 15.3287, 10.5099



6.2994, 6.9359, 7.9357



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.



12.9092, 15.5487, 19.4607



21.3385, 26.4932, 34.1260



10.9986, 11.7276, 18.8238



3.7672, 4.1230, 4.6875



9.7587, 13.8571, 20.7029



47.3507, 67.1180, 100.8197

Inverse Universe

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



13.5664, 10.9976, 17.9314



22.7102, 17.1290, 30.9041



13.6444, 13.8214, 9.7334



3.8185, 3.7547, 4.5710



11.2229, 5.4229, 16.9137



54.5872, 26.3850, 81.8785

Previews

White Background



This preview shows how the XYZ color 12.9087, 15.5481, 19.4603 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 12.9087, 15.5481, 19.4603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

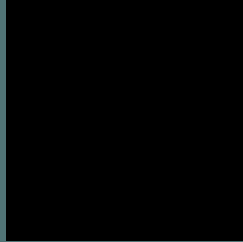
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

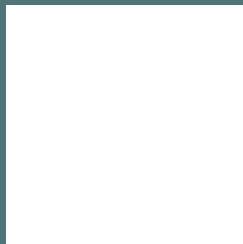
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9087, 15.5481, 19.4603

Background



This preview shows how black text looks on a background with the XYZ color 12.9087, 15.5481, 19.4603.



This preview shows how white text looks on a background with the XYZ color 12.9087, 15.5481,

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

12.9087, 15.5481, 19.4603

Protanopia

14.9363, 15.4672, 18.1178

Deuteranopia

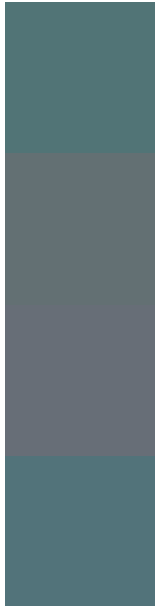
15.6144, 15.3090, 19.9013



Tritanopia

13.2485, 15.5105, 21.3643

Trichromacy



Original Color

12.9087, 15.5481, 19.4603

Protanomaly

14.0343, 15.4788, 18.4677

Deuteranomaly

14.4992, 15.3673, 19.6548

Tritanomaly

13.1233, 15.4604, 20.7048

Monochromacy



Original Color

12.9087, 15.5481, 19.4603

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3202, 14.8190, 16.9102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9087, 15.5481, 19.4603 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(81, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(81, 116, 118)  
}
```

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(81, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 116, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.9087, 15.5481, 19.4603 is called "border". The border property can be set on classes, ids or directly on the HTML element.

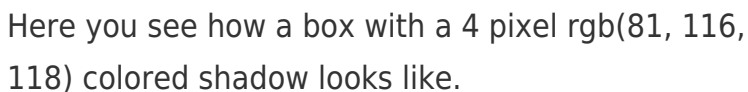
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 116, 118) }
```


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

```
.border{ border-color:rgb(81, 116, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(81, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(81, 116,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9087, 15.5481, 19.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 116, 118) }
```

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

```
.background{ background-color: rgb(81, 116,  
118) }
```

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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