

Converting Colors

XYZ(12.8874, 15.7116, 19.3870)

Have a look what the booklet for
XYZ(12.8874, 15.7116, 19.3870)
contains.

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Color

**XYZ(12.9396, 15.7361,
19.4949)**

Conversions

Conversions Part 1

Format	Color
Hex	507576
RGB	80, 117, 118
RGB Percent	31%, 46%, 46%
CMY	0.6863, 0.5412, 0.5373
CMYK	0.32, 0.01, 0.00, 0.54
HSL	182°, 19%, 39%
HSV	182°, 32%, 46%
XYZ	12.9396, 15.7361, 19.4949
YIQ	106.0510, -22.3730, -7.5330

Conversions

Conversions Part 2

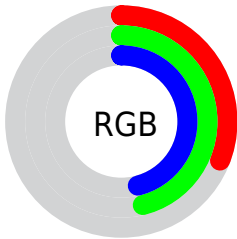
Format	Color
RYB	80, 99, 118
Decimal	5272950
CIELab	46.63, -12.73, -4.75
CIElCh	47, 13.582, 200.460
Yxy	15.7361, 0.2686, 0.3267
Android (android.graphics.Color)	4283463030 (0xFF507576)
YUV	106.0510, 5.8909, -22.8467
Hunter-Lab	39.6688, -11.1952, -1.3695

Details

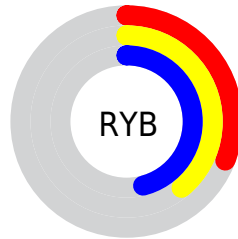
The XYZ color **12.9396, 15.7361, 19.4949** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8618, 10.3157, 8.9557**, and the grayscale version is **13.7027, 14.4163, 15.6994**.

A 20% lighter version of the original color is **30.8037, 36.1035, 43.3754**, and **3.8293, 5.0055, 6.5587** is the 20% darker color. If you saturate the color by 10%, you get **11.9936, 15.1953, 19.4406**, and if you desaturate by 10%, it is **14.0617, 16.3687, 19.5581**.

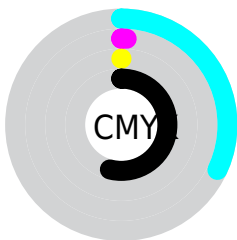
Distribution



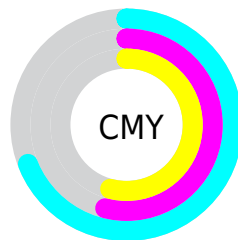
- Red (31%)
- Green (46%)
- Blue (46%)



- Red (31%)
- Yellow (39%)
- Blue (46%)



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (54%)



- Cyan (69%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9396, 15.7361, 19.4949 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 12.9396, 15.7361, 19.4949 by changing the saturation by 10% instead.

■ 12.9396, 15.7361,
19.4949

■ 12.9396, 15.7361,
19.4949

204.1756,
227.7794, 261.6806

■ 7.4637, 9.3376,
11.8480

■ 30.7975, 36.1395,
43.4165

■ 3.8026, 4.9620,
6.5190

■ 43.9101, 50.9131,
60.5283

■ 1.5911, 2.2250,
3.0893

■ 60.2991, 69.2473,
81.6321

■ 0.3866, 0.7336,
1.1404

■ 80.3297, 91.5263,
107.1465

■ 0.0000, 0.0000,
0.0000

■ 104.3673,
118.1347, 137.4900

132.7772,

149.4567, 173.0811

165.9249,
185.8768, 214.3385

■ 12.9396, 15.7361,
19.4949

■ 12.9396, 15.7361,
19.4949

■ 11.9936, 15.1953,
19.4406

■ 14.0617, 16.3687,
19.5581

■ 11.2131, 14.7395,
19.3938

■ 15.3670, 17.0954,
19.6296

■ 10.5885, 14.3644,
19.3543

■ 16.8638, 17.9212,
19.7101

■ 10.1090, 14.0642,
19.3216

■ 18.5596, 18.8497,
19.7999

■ 9.7618, 13.8324,
19.2952

■ 20.4616, 19.8846,
19.8994

■ 9.5322, 13.6614,
19.2743

■ 22.5764, 21.0294,
20.0090

■ 9.3895, 13.5468,
19.2597

■ 24.9104, 22.2874,
20.1288

■ 27.4699, 23.6618,
20.2592

■ 30.2606, 25.1556,
20.4004

Harmonies

Analogous

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



12.8389, 15.7361, 16.0845



12.9396, 15.7361, 19.4949



13.5650, 15.7361, 22.6195

Triad

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



12.9396, 15.7361, 19.4949



16.7662, 15.7361, 21.5886



15.3340, 15.7361, 11.5159

Complementary

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



12.9396, 15.7361, 19.4949



11.8618, 10.3157, 8.9557

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.



16.4405, 15.7361, 12.6157



12.9396, 15.7361, 19.4949



17.2954, 15.7361, 18.2280

Square

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



12.9396, 15.7361, 19.4949



15.7598, 15.7361, 23.9338



17.1732, 15.7361, 14.9717



14.1813, 15.7361, 11.7619

Rectangle

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



12.9396, 15.7361, 19.4949



14.2142, 15.7361, 23.9782



17.1732, 15.7361, 14.9717



15.7246, 15.7361, 11.7343

Sweetspot

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



12.9401, 15.7367, 19.4953



27.5070, 30.3287, 34.5412



11.2585, 15.2512, 10.0635



6.2610, 6.9380, 7.9382



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.



12.9401, 15.7367, 19.4953



21.4338, 26.9169, 34.2028



10.9807, 11.8180, 18.8421



3.7755, 4.1396, 4.6903



10.1565, 14.6526, 20.8355



49.3904, 71.1974, 101.4996

Inverse Universe

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



13.5512, 10.8736, 18.2150



22.7013, 16.9075, 31.5295



13.4416, 13.4752, 9.4823



3.8227, 3.7564, 4.5930



11.4237, 5.5032, 17.9709



55.6167, 26.7968, 87.3000

Previews

White Background



This preview shows how the XYZ color 12.9396, 15.7361, 19.4949 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 12.9396, 15.7361, 19.4949 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

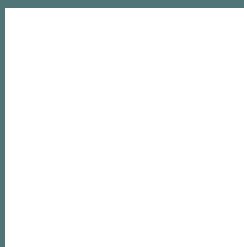
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9396, 15.7361, 19.4949

Background



This preview shows how black text looks on a background with the XYZ color 12.9396, 15.7361, 19.4949.



This preview shows how white text looks on a background with the XYZ color 12.9396, 15.7361,

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

12.9396, 15.7361, 19.4949

Protanopia

15.1687, 15.7463, 18.1594

Deuteranopia

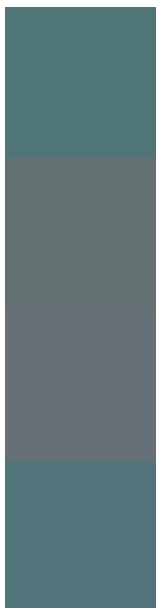
15.8503, 15.5845, 19.9420



Tritanopia

13.4267, 15.7653, 21.7374

Trichromacy



Original Color

12.9396, 15.7361, 19.4949

Protanomaly

14.2552, 15.7574, 18.5098

Deuteranomaly

14.6077, 15.5844, 19.6909

Tritanomaly

13.1516, 15.6453, 20.7390

Monochromacy



Original Color

12.9396, 15.7361, 19.4949

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 12.9396, 15.7361, 19.4949 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, 117, 118)` looks like.

```
.text, #text, p{  
    color:rgb(80, 117, 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(80, 117, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 117, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.9396, 15.7361, 19.4949 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, 117, 118) }
```


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

```
.border{ border-color:rgb(80, 117, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 117, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 117, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 117, 118);  
box-shadow:4px 4px 4px 4px rgb(80, 117,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9396, 15.7361, 19.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 117, 118) }
```

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

```
.background{ background-color: rgb(80, 117,  
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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