

Converting Colors

XYZ(12.3806, 15.0499, 19.7443)

Have a look what the booklet for
XYZ(12.3806, 15.0499, 19.7443)
contains.

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Color

**XYZ(12.4410, 15.1299,
19.7174)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7377
RGB	76, 115, 119
RGB Percent	30%, 45%, 47%
CMY	0.7020, 0.5490, 0.5333
CMYK	0.36, 0.03, 0.00, 0.53
HSL	186°, 22%, 38%
HSV	186°, 36%, 47%
XYZ	12.4410, 15.1299, 19.7174
YIQ	103.7950, -24.5280, -7.0240

Conversions

Conversions Part 2

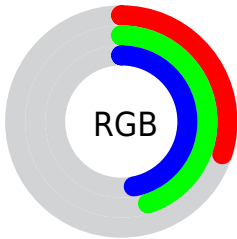
Format	Color
RYB	76, 96, 119
Decimal	5010295
CIELab	45.81, -12.56, -6.58
CIElCh	46, 14.180, 207.647
Yxy	15.1299, 0.2631, 0.3200
Android (android.graphics.Color)	4283200375 (0xFF4C7377)
YUV	103.7950, 7.4961, -24.3762
Hunter-Lab	38.8972, -10.9780, -2.8267

Details

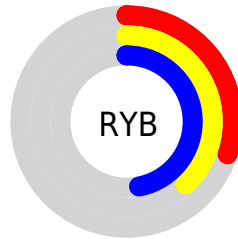
The XYZ color **12.4410, 15.1299, 19.7174** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7811, 10.1812, 8.1820**, and the grayscale version is **13.0890, 13.7706, 14.9962**.

A 20% lighter version of the original color is **29.9218, 35.0897, 43.7240**, and **3.5965, 4.7023, 6.6793** is the 20% darker color. If you saturate the color by 10%, you get **11.4564, 14.4365, 19.6357**, and if you desaturate by 10%, it is **13.6030, 15.9178, 19.8085**.

Distribution



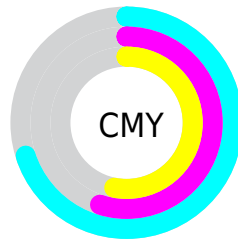
- Red (30%)
- Green (45%)
- Blue (47%)



- Red (30%)
- Yellow (38%)
- Blue (47%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (53%)



- Cyan (70%)
- Magenta (55%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4410, 15.1299, 19.7174 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 12.4410, 15.1299, 19.7174 by changing the saturation by 10% instead.

■ 12.4410, 15.1299,
19.7174

■ 12.4410, 15.1299,
19.7174

201.0142,
224.1511, 262.9345

■ 7.1191, 8.9106,
12.0078

■ 29.9057, 35.0809,
43.7956

■ 3.5837, 4.6829,
6.6264

■ 42.7793, 49.5814,
61.0012

■ 1.4694, 2.0624,
3.1547

■ 58.9007, 67.6111,
82.2093

■ 0.3049, 0.6434,
1.1741

■ 78.6354, 89.5543,
107.8383

■ 0.0000, 0.0000,
0.0000

■ 102.3488,
115.7956, 138.3067

130.4061,

146.7192, 174.0333

163.1728,
182.7096, 215.4363

■ 12.4410, 15.1299,
19.7174

■ 12.4410, 15.1299,
19.7174

■ 11.4564, 14.4365,
19.6357

■ 13.6030, 15.9178,
19.8085

■ 10.6380, 13.8306,
19.5619

■ 14.9499, 16.8028,
19.9083

■ 9.9759, 13.3075,
19.4958

■ 16.4905, 17.7900,
20.0177

■ 9.4580, 12.8611,
19.4369

■ 18.2326, 18.8833,
20.1369

■ 9.0710, 12.4843,
19.3846

■ 20.1835, 20.0866,
20.2663

■ 8.7883, 12.1634,
19.3376

■ 22.3503, 21.4035,
20.4063

■ 8.6855, 12.0433,
19.3198

■ 24.7397, 22.8374,
20.5571

■ 27.3580, 24.3916,
20.7191

■ 30.2114, 26.0693,
20.8926

Harmonies

Analogous

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



12.2062, 15.1299, 16.2054



12.4410, 15.1299, 19.7174



13.1865, 15.1299, 22.6766

Triad

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



12.4410, 15.1299, 19.7174



16.4086, 15.1299, 20.2493



14.4750, 15.1299, 10.7385

Complementary

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



12.4410, 15.1299, 19.7174



11.7811, 10.1812, 8.1820

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.



15.6445, 15.1299, 11.5199



12.4410, 15.1299, 19.7174



16.7988, 15.1299, 16.7454

Square

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



12.4410, 15.1299, 19.7174



15.4725, 15.1299, 23.0123



16.5118, 15.1299, 13.6071



13.3412, 15.1299, 11.3085

Rectangle

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



12.4410, 15.1299, 19.7174



13.8949, 15.1299, 23.7684



16.5118, 15.1299, 13.6071



14.8773, 15.1299, 10.8491

Sweetspot

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



12.4415, 15.1305, 19.7177



28.0656, 30.9236, 35.7427



11.0102, 15.3035, 9.8828



6.5824, 7.2844, 8.4658



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.4415, 15.1305, 19.7177



20.8501, 26.0919, 35.1904



10.3059, 10.8593, 19.0059



3.7556, 4.0999, 4.6837



9.2241, 12.7879, 20.5247



44.6164, 61.6493, 99.9083

Inverse Universe

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



13.2871, 10.3290, 17.5137



22.6190, 16.2925, 30.5248



13.5743, 13.7676, 8.7798



3.8127, 3.7523, 4.5403



10.9530, 5.3149, 15.4928



53.2070, 25.8329, 74.6106

Previews

White Background



This preview shows how the XYZ color 12.4410, 15.1299, 19.7174 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 12.4410, 15.1299, 19.7174 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

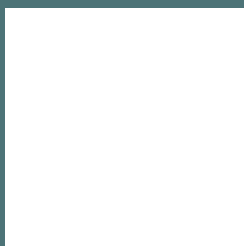
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4410, 15.1299, 19.7174

Background



This preview shows how black text looks on a background with the XYZ color 12.4410, 15.1299, 19.7174.



This preview shows how white text looks on a background with the XYZ color 12.4410, 15.1299,

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

12.4410, 15.1299, 19.7174

Protanopia

14.4793, 14.9184, 18.0360

Deuteranopia

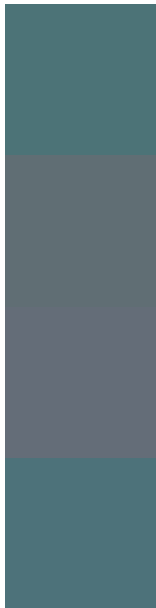
15.3128, 14.9943, 20.1763



Tritanopia

12.6530, 15.0425, 20.9755

Trichromacy



Original Color

12.4410, 15.1299, 19.7174

Protanomaly

13.5522, 14.8996, 18.6846

Deuteranomaly

14.1143, 15.0027, 19.9212

Tritanomaly

12.5907, 15.0175, 20.6474

Monochromacy



Original Color

12.4410, 15.1299, 19.7174

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7390, 14.2089, 16.5392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4410, 15.1299, 19.7174 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(76, 115, 119)` looks like.

```
.text, #text, p{  
    color:rgb(76, 115, 119)  
}
```

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(76, 115, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 115, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.4410, 15.1299, 19.7174 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(76, 115, 119) }
```


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

```
.border{ border-color:rgb(76, 115, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 115, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 115, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 115, 119);  
box-shadow:4px 4px 4px 4px rgb(76, 115,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4410, 15.1299, 19.7174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 115, 119) }
```

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

```
.background{ background-color: rgb(76, 115,  
119) }
```

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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