

Converting Colors

XYZ(12.4419, 15.4222, 22.0597)

Have a look what the booklet for
XYZ(12.4419, 15.4222, 22.0597)
contains.

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Color

**XYZ(12.4419, 15.4222,
22.0597)**

Conversions

Conversions Part 1

Format	Color
Hex	43757E
RGB	67, 117, 126
RGB Percent	26%, 46%, 49%
CMY	0.7372, 0.5412, 0.5059
CMYK	0.47, 0.07, 0.00, 0.51
HSL	189°, 31%, 38%
HSV	189°, 47%, 49%
XYZ	12.4419, 15.4222, 22.0597
YIQ	103.0760, -32.6890, -7.8010

Conversions

Conversions Part 2

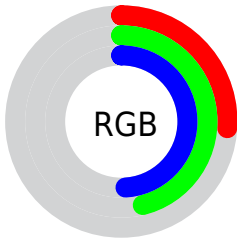
Format	Color
RYB	67, 94, 126
Decimal	4420990
CIELab	46.21, -14.26, -10.21
CIELCh	46, 17.539, 215.608
Yxy	15.4222, 0.2492, 0.3089
Android (android.graphics.Color)	4282611070 (0xFF43757E)
YUV	103.0760, 11.3015, -31.6387
Hunter-Lab	39.2711, -12.1719, -5.8151

Details

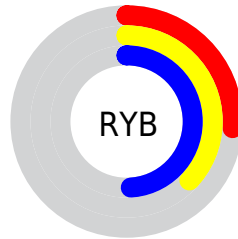
The XYZ color **12.4419, 15.4222, 22.0597** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2020, 10.0100, 6.5996**, and the grayscale version is **12.8898, 13.5611, 14.7680**.

A 20% lighter version of the original color is **29.9324, 35.5525, 47.9325**, and **3.6057, 4.8632, 7.7698** is the 20% darker color. If you saturate the color by 10%, you get **11.4488, 14.5816, 21.9501**, and if you desaturate by 10%, it is **13.6285, 16.3701, 22.1804**.

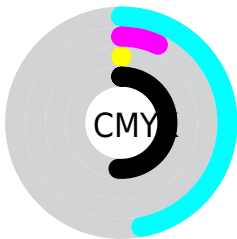
Distribution



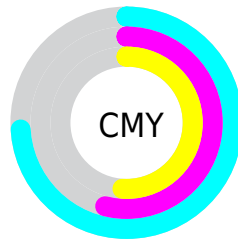
- Red (26%)
- Green (46%)
- Blue (49%)



- Red (26%)
- Yellow (37%)
- Blue (49%)



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (51%)



- Cyan (74%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4419, 15.4222, 22.0597 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 12.4419, 15.4222, 22.0597 by changing the saturation by 10% instead.

■ 12.4419, 15.4222,
22.0597

■ 12.4419, 15.4222,
22.0597

201.0200,
225.9077, 275.8216

■ 7.1197, 9.1162,
13.7020

■ 29.9073, 35.5922,
47.7481

■ 3.5841, 4.8171,
7.7773

■ 42.7813, 50.2249,
65.9159

■ 1.4696, 2.1403,
3.8671

■ 58.9032, 68.4021,
88.1909

■ 0.3050, 0.6872,
1.5527

■ 78.6385, 90.5081,
114.9915

■ 0.0000, 0.0000,
0.2567

■ 102.3525,
116.9272, 146.7363

■ 0.0000, 0.0000,
0.0000

130.4105,

148.0439, 183.8439

163.1778,
184.2426, 226.7328

■ 12.4419, 15.4222,
22.0597

■ 12.4419, 15.4222,
22.0597

■ 11.4488, 14.5816,
21.9501

■ 13.6285, 16.3701,
22.1804

■ 10.6355, 13.8401,
21.8498

■ 15.0185, 17.4294,
22.3116

■ 9.9886, 13.1911,
21.7586

■ 16.6226, 18.6060,
22.4542

■ 9.4923, 12.6264,
21.6758

■ 18.4507, 19.9050,
22.6085

■ 9.1148, 12.1297,
21.5998

■ 20.5116, 21.3309,
22.7752

■ 9.0010, 11.9764,
21.5762

■ 22.8139, 22.8884,
22.9544

■ 25.3658, 24.5816,
23.1468

■ 28.1750, 26.4145,
23.3525

■ 31.2488, 28.3910,
23.5720

Harmonies

Analogous

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



11.9780, 15.4222, 17.6101



12.4419, 15.4222, 22.0597



13.5022, 15.4222, 25.4676

Triad

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



12.4419, 15.4222, 22.0597



17.4372, 15.4222, 20.4292



14.3790, 15.4222, 9.8556

Complementary

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



12.4419, 15.4222, 22.0597



12.2020, 10.0100, 6.5996

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.



15.8786, 15.4222, 10.3515



12.4419, 15.4222, 22.0597



17.7114, 15.4222, 15.9999

Square

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



12.4419, 15.4222, 22.0597



16.3977, 15.4222, 24.4196



17.1235, 15.4222, 12.4379



13.0466, 15.4222, 10.9456

Rectangle

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



12.4419, 15.4222, 22.0597



14.4392, 15.4222, 26.4179



17.1235, 15.4222, 12.4379



14.8797, 15.4222, 9.8449

Sweetspot

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



12.4424, 15.4228, 22.0601



30.0249, 33.3005, 39.5895



11.0752, 16.6350, 9.4377



6.7038, 7.4844, 8.9944



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.4424, 15.4228, 22.0601



20.0757, 25.5992, 38.6274



9.5421, 9.6222, 21.0933



4.3923, 4.7787, 5.5041



9.2316, 12.2816, 22.1340



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.8226, 9.7347, 17.9807



22.8958, 14.5959, 30.1534



14.7049, 15.0158, 7.4339



4.4709, 4.4015, 5.2840



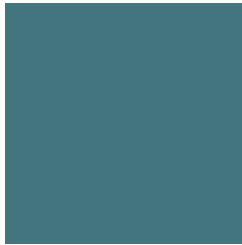
11.5366, 5.6343, 14.6816



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4419, 15.4222, 22.0597 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 12.4419, 15.4222, 22.0597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

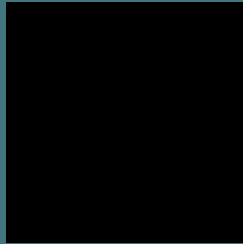
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4419, 15.4222, 22.0597

Background



This preview shows how black text looks on a background with the XYZ color 12.4419, 15.4222, 22.0597.



This preview shows how white text looks on a background with the XYZ color 12.4419, 15.4222,

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

12.4419, 15.4222, 22.0597

Protanopia

14.9371, 15.2693, 19.9293

Deuteranopia

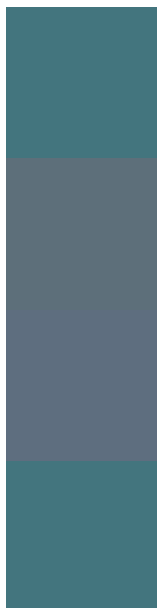
15.4807, 15.1816, 22.5365



Tritanopia

12.4419, 15.4222, 22.0597

Trichromacy



Original Color

12.4419, 15.4222, 22.0597

Protanomaly

13.7115, 15.1012, 20.6045

Deuteranomaly

14.0228, 15.0639, 22.2472

Tritanomaly

12.4419, 15.4222, 22.0597

Monochromacy



Original Color

12.4419, 15.4222, 22.0597

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4483, 14.0465, 17.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4419, 15.4222, 22.0597 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(67, 117, 126)` looks like.

```
.text, #text, p{  
    color:rgb(67, 117, 126)  
}
```

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(67, 117, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 117, 126) }
```

Border

The CSS property to change the border of an element to XYZ 12.4419, 15.4222, 22.0597 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(67, 117, 126) }
```


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

```
.border{ border-color:rgb(67, 117, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 117, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 117, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 117, 126);  
box-shadow:4px 4px 4px 4px rgb(67, 117,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4419, 15.4222, 22.0597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 117, 126) }
```

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

```
.background{ background-color: rgb(67, 117,  
126) }
```

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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