

Converting Colors

XYZ(15.1913, 22.5605, 20.4978)

Have a look what the booklet for
XYZ(15.1913, 22.5605, 20.4978)
contains.

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Color

**XYZ(15.1399, 22.4650,
20.3678)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9175
RGB	59, 145, 117
RGB Percent	23%, 57%, 46%
CMY	0.7686, 0.4314, 0.5412
CMYK	0.59, 0.00, 0.19, 0.43
HSL	160°, 42%, 40%
HSV	160°, 59%, 57%
XYZ	15.1399, 22.4650, 20.3678
YIQ	116.0940, -42.2680, -26.9400

Conversions

Conversions Part 2

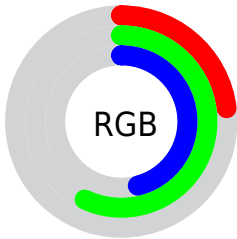
Format	Color
RYB	59, 110, 145
Decimal	3903861
CIELab	54.52, -32.91, 7.20
CIElCh	55, 33.692, 167.663
Yxy	22.4650, 0.2612, 0.3875
Android (android.graphics.Color)	4282093941 (0xFF3B9175)
YUV	116.0940, 0.4467, -50.0714
Hunter-Lab	47.3973, -25.9277, 7.6997

Details

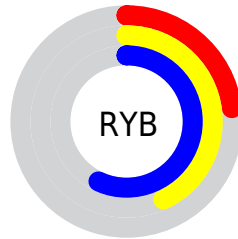
The XYZ color **15.1399, 22.4650, 20.3678** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.9621, 9.8363, 10.1276**, and the grayscale version is **16.6377, 17.5042, 19.0621**.

A 20% lighter version of the original color is **34.5243, 47.2888, 44.8442**, and **5.0769, 8.4351, 6.9908** is the 20% darker color. If you saturate the color by 10%, you get **14.1265, 21.9744, 18.9080**, and if you desaturate by 10%, it is **16.4074, 23.0861, 21.9136**.

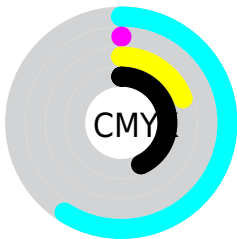
Distribution



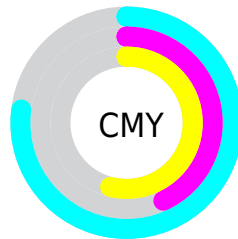
- Red (23%)
- Green (57%)
- Blue (46%)



- Red (23%)
- Yellow (43%)
- Blue (57%)



- Cyan (59%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)





- Cyan (77%)
- Magenta (43%)
- Yellow (54%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1399, 22.4650, 20.3678 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 15.1399, 22.4650, 20.3678 by changing the saturation by 10% instead.


 15.1399, 22.4650,
20.3678


 15.1399, 22.4650,
20.3678


217.5831,
264.9651, 266.5691


 9.0046, 14.1990,
12.4760


 34.6681, 47.5133,
44.9000


 4.8013, 8.2592,
6.9422


 48.7916, 65.0645,
62.3775


 2.1647, 4.2612,
3.3481

 66.3086, 86.4794,
83.8872

 0.7240, 1.8207,
1.2750

 87.5845, 112.1425,
109.8478

 0.0000, 0.5001,
0.0412

 112.9845,
142.4383, 140.6777

 0.0000, 0.0000,
0.0000

142.8740,

177.7510, 176.7956

177.6184,
218.4652, 218.6199

■ 15.1399, 22.4650,
20.3678

■ 15.1399, 22.4650,
20.3678

■ 14.1265, 21.9744,
18.9080

■ 16.4074, 23.0861,
21.9136

■ 13.3446, 21.6010,
17.5306

■ 17.9452, 23.8443,
23.5457

■ 12.7711, 21.3335,
16.2339

■ 19.7704, 24.7491,
25.2664

■ 12.3484, 21.1421,
15.0140

■ 21.8982, 25.8081,
27.0774

■ 12.3205, 21.1295,
14.9325

■ 24.3426, 27.0286,
28.9805

■ 27.1167, 28.4175,
30.9770

■ 30.2330, 29.9809,
33.0687

■ 33.7031, 31.7250,
35.2569

■ 37.5383, 33.6554,
37.5430

Harmonies

Analogous

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



16.5221, 22.4650, 13.1621



15.1399, 22.4650, 20.3678



15.2761, 22.4650, 31.1637

Triad

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



15.1399, 22.4650, 20.3678



23.5799, 22.4650, 49.4036



26.5003, 22.4650, 12.2979

Complementary

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



15.1399, 22.4650, 20.3678



14.9621, 9.8363, 10.1276

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.



28.8577, 22.4650, 18.7949



15.1399, 22.4650, 20.3678



27.0426, 22.4650, 40.8711

Square

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



15.1399, 22.4650, 20.3678



19.8708, 22.4650, 50.1890



29.0669, 22.4650, 29.0679



22.9057, 22.4650, 9.4877

Rectangle

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



15.1399, 22.4650, 20.3678



16.2103, 22.4650, 39.1079



29.0669, 22.4650, 29.0679



27.4808, 22.4650, 14.0207

Sweetspot

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



15.1405, 22.4659, 20.3683



39.5995, 46.4085, 48.8012



14.9085, 22.6260, 7.7194



8.5713, 10.2054, 10.6621



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.1405, 22.4659, 20.3683



24.8104, 39.1174, 33.0621



14.9867, 19.1182, 29.6895



5.4866, 6.0869, 6.5282



10.5795, 18.1277, 12.8719



0.1113, 0.1774, 0.1765

Inverse Universe

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



14.9621, 9.8363, 10.1276



24.4859, 14.3750, 13.1251



14.8717, 11.1451, 5.5053



5.4768, 5.4512, 6.0086



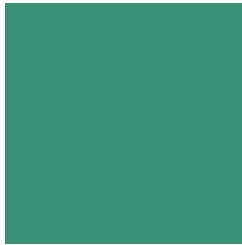
10.4705, 5.3452, 2.8632



0.1094, 0.0548, 0.0763

Previews

White Background



This preview shows how the XYZ color 15.1399, 22.4650, 20.3678 looks on a white 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

Black Background



This preview shows how the XYZ color 15.1399, 22.4650, 20.3678 looks on a black 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

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

XYZ 15.1399, 22.4650, 20.3678

Background



This preview shows how black text looks on a background with the XYZ color 15.1399, 22.4650, 20.3678.



This preview shows how white text looks on a background with the XYZ color 15.1399, 22.4650,

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

15.1399, 22.4650, 20.3678

Protanopia

20.9271, 22.1230, 17.6352

Deuteranopia

22.4619, 22.0674, 21.1647



Tritanopia

17.6441, 22.3628, 33.0923

Trichromacy



Original Color

15.1399, 22.4650, 20.3678

Protanomaly

17.8953, 21.7490, 18.5840

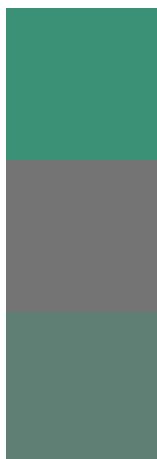
Deuteranomaly

18.5809, 21.4360, 20.9275

Tritanomaly

16.6479, 22.4034, 27.8729

Monochromacy



Original Color

15.1399, 22.4650, 20.3678

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.4611, 18.8726, 19.3509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1399, 22.4650, 20.3678 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(59, 145, 117)` looks like.

```
.text, #text, p{  
    color:rgb(59, 145, 117)  
}
```

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(59, 145, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 145, 117) }
```

Border

The CSS property to change the border of an element to XYZ 15.1399, 22.4650, 20.3678 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(59, 145, 117) }
```


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

```
.border{ border-color:rgb(59, 145, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 145, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 145, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 145, 117);  
box-shadow:4px 4px 4px 4px rgb(59, 145,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1399, 22.4650, 20.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 145, 117) }
```

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

```
.background{ background-color: rgb(59, 145,  
117) }
```

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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