

Converting Colors

XYZ(15.2081, 22.4103, 20.8797)

Have a look what the booklet for
XYZ(15.2081, 22.4103, 20.8797)
contains.

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Color

**XYZ(15.2588, 22.5125,
20.9939)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9177
RGB	59, 145, 119
RGB Percent	23%, 57%, 47%
CMY	0.7686, 0.4314, 0.5333
CMYK	0.59, 0.00, 0.18, 0.43
HSL	162°, 42%, 40%
HSV	162°, 59%, 57%
XYZ	15.2588, 22.5125, 20.9939
YIQ	116.3220, -42.9100, -26.3180

Conversions

Conversions Part 2

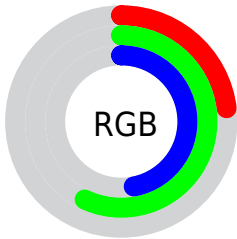
Format	Color
RYB	59, 110, 145
Decimal	3903863
CIELab	54.57, -32.42, 6.12
CIElCh	55, 32.993, 169.303
Yxy	22.5125, 0.2597, 0.3831
Android (android.graphics.Color)	4282093943 (0xFF3B9177)
YUV	116.3220, 1.3203, -50.2714
Hunter-Lab	47.4473, -25.6282, 6.9792

Details

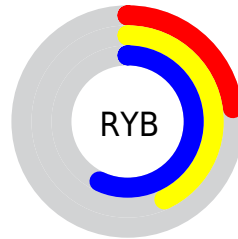
The XYZ color **15.2588, 22.5125, 20.9939** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.8814, 9.8041, 9.7032**, and the grayscale version is **16.7054, 17.5753, 19.1395**.

A 20% lighter version of the original color is **34.7135, 47.3645, 45.8408**, and **5.1400, 8.4603, 7.3233** is the 20% darker color. If you saturate the color by 10%, you get **14.2587, 22.0272, 19.6046**, and if you desaturate by 10%, it is **16.5110, 23.1275, 22.4594**.

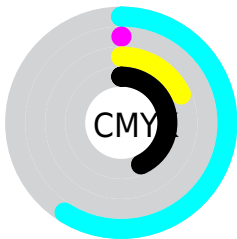
Distribution



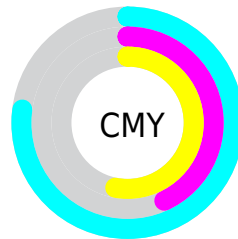
- Red (23%)
- Green (57%)
- Blue (47%)



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



- Cyan (59%)
- Magenta (0%)
- Yellow (18%)
- Black (43%)



- Cyan (77%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2588, 22.5125, 20.9939 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 15.2588, 22.5125, 20.9939 by changing the saturation by 10% instead.

■ 15.2588, 22.5125,
20.9939

■ 15.2588, 22.5125,
20.9939

218.2848,
265.2111, 270.0261

■ 9.0887, 14.2340,
12.9283

■ 34.8745, 47.5916,
45.9580

■ 4.8567, 8.2836,
7.2491

■ 49.0508, 65.1610,
63.6937

■ 2.1973, 4.2769,
3.5376

■ 66.6266, 86.5960,
85.4898

■ 0.7413, 1.8296,
1.3752

■ 87.9672, 112.2812,
111.7649

■ 0.0000, 0.5056,
0.1223

■ 113.4380,
142.6009, 142.9376

■ 0.0000, 0.0000,
0.0000

143.4042,

177.9396, 179.4263

178.2314,
218.6815, 221.6496

■ 15.2588, 22.5125,
20.9939

■ 15.2588, 22.5125,
20.9939

■ 14.2587, 22.0272,
19.6046

■ 16.5110, 23.1275,
22.4594

■ 13.4885, 21.6585,
18.2881

■ 18.0317, 23.8789,
24.0013

■ 12.9247, 21.3949,
17.0430

■ 19.8379, 24.7760,
25.6215

■ 12.5101, 21.2068,
15.8657

■ 21.9446, 25.8266,
27.3217

■ 12.4827, 21.1943,
15.7867

■ 24.3660, 27.0379,
29.1032

■ 27.1150, 28.4167,
30.9675

■ 30.2041, 29.9693,
32.9159

■ 33.6449, 31.7016,
34.9497

■ 37.4486, 33.6195,
37.0700

Harmonies

Analogous

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



16.5406, 22.5125, 13.6729



15.2588, 22.5125, 20.9939



15.4757, 22.5125, 31.7127

Triad

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



15.2588, 22.5125, 20.9939



23.7826, 22.5125, 48.5606



26.2665, 22.5125, 12.2887

Complementary

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



15.2588, 22.5125, 20.9939



14.8814, 9.8041, 9.7032

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.



28.6648, 22.5125, 18.4937



15.2588, 22.5125, 20.9939



27.1226, 22.5125, 39.9503

Square

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



15.2588, 22.5125, 20.9939



20.1308, 22.5125, 49.7924



28.9946, 22.5125, 28.4033



22.7161, 22.5125, 9.6749

Rectangle

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



15.2588, 22.5125, 20.9939



16.4490, 22.5125, 39.4375



28.9946, 22.5125, 28.4033



27.2504, 22.5125, 13.9264

Sweetspot

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



15.2594, 22.5134, 20.9944



39.6789, 46.4402, 49.2191



14.7748, 22.5570, 7.7133



8.5912, 10.2134, 10.7672



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.



15.2594, 22.5134, 20.9944



25.0542, 39.2149, 34.3460



14.7962, 18.7370, 29.6258



5.4917, 6.0889, 6.5554



10.7183, 18.1832, 13.6025



0.1123, 0.1778, 0.1817

Inverse Universe

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



14.8814, 9.8041, 9.7032



24.3410, 14.3170, 12.3619



14.9674, 11.3367, 5.5374



5.4718, 5.4493, 5.9826



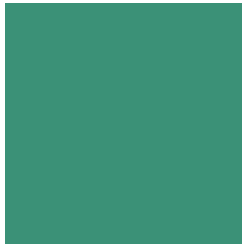
10.4137, 5.3225, 2.5636



0.1084, 0.0544, 0.0712

Previews

White Background



This preview shows how the XYZ color 15.2588, 22.5125, 20.9939 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 15.2588, 22.5125, 20.9939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

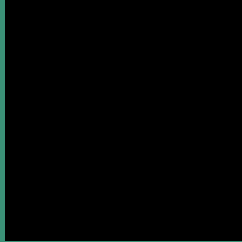
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2588, 22.5125, 20.9939

Background



This preview shows how black text looks on a background with the XYZ color 15.2588, 22.5125, 20.9939.



This preview shows how white text looks on a background with the XYZ color 15.2588, 22.5125,

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

15.2588, 22.5125, 20.9939

Protanopia

20.8728, 22.0825, 18.2011

Deuteranopia

22.5858, 22.1170, 21.8175



Tritanopia

17.6441, 22.3628, 33.0923

Trichromacy



Original Color

15.2588, 22.5125, 20.9939

Protanomaly

17.8856, 21.7310, 19.1714

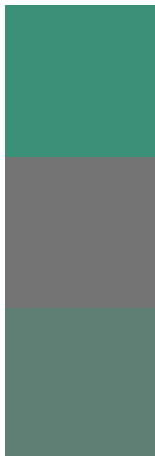
Deuteranomaly

18.7035, 21.4851, 21.5736

Tritanomaly

16.7214, 22.4327, 28.2596

Monochromacy



Original Color

15.2588, 22.5125, 20.9939

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.5196, 18.8960, 19.6589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2588, 22.5125, 20.9939 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(59, 145, 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(59, 145, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 145, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.2588, 22.5125, 20.9939 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, 119) }
```


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

```
.border{ border-color:rgb(59, 145, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 145, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 145, 119);  
box-shadow:4px 4px 4px 4px rgb(59, 145,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2588, 22.5125, 20.9939 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, 119) }
```

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

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