

Converting Colors

XYZ(15.9866, 23.3825, 20.9592)

Have a look what the booklet for
XYZ(15.9866, 23.3825, 20.9592)
contains.

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Color

**XYZ(15.9505, 23.3337,
20.8027)**

Conversions

Conversions Part 1

Format	Color
Hex	429376
RGB	66, 147, 118
RGB Percent	26%, 58%, 46%
CMY	0.7412, 0.4235, 0.5373
CMYK	0.55, 0.00, 0.20, 0.42
HSL	159°, 38%, 42%
HSV	159°, 55%, 58%
XYZ	15.9505, 23.3337, 20.8027
YIQ	119.4750, -38.9670, -26.1910

Conversions

Conversions Part 2

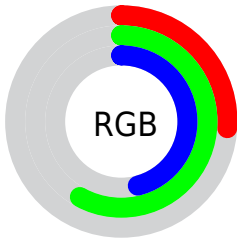
Format	Color
R _Y B	66, 115, 147
Decimal	4363126
CIE Lab	55.41, -32.03, 7.94
CIE LCh	55, 32.998, 166.081
Yxy	23.3337, 0.2655, 0.3883
Android (android.graphics.Color)	4282553206 (0xFF429376)
YUV	119.4750, -0.7272, -46.8976
Hunter-Lab	48.3050, -25.5923, 8.2800

Details

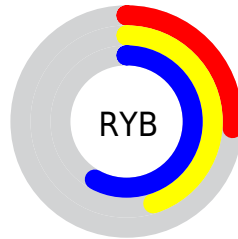
The XYZ color **15.9505, 23.3337, 20.8027** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.0472, 10.9263, 12.0906**, and the grayscale version is **17.6969, 18.6185, 20.2755**.

A 20% lighter version of the original color is **36.1220, 49.1364, 45.6107**, and **5.2884, 8.8079, 7.2157** is the 20% darker color. If you saturate the color by 10%, you get **14.7805, 22.7663, 19.1609**, and if you desaturate by 10%, it is **17.3938, 24.0412, 22.5495**.

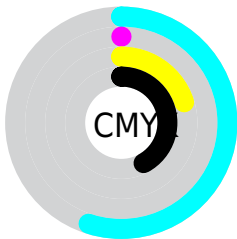
Distribution



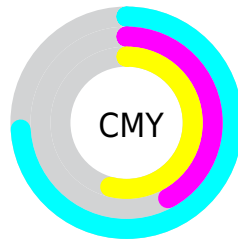
- Red (26%)
- Green (58%)
- Blue (46%)



- Red (26%)
- Yellow (45%)
- Blue (58%)



- Cyan (55%)
- Magenta (0%)
- Yellow (20%)
- Black (42%)



- Cyan (74%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9505, 23.3337, 20.8027 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 15.9505, 23.3337, 20.8027 by changing the saturation by 10% instead.

■ 15.9505, 23.3337,
20.8027

■ 15.9505, 23.3337,
20.8027

222.3256,
269.4343, 268.9746

■ 9.5798, 14.8401,
12.7900

■ 36.0704, 48.9407,
45.6355

■ 5.1813, 8.7072,
7.1551

■ 50.5502, 66.8229,
63.2926

■ 2.3899, 4.5507,
3.4794

■ 68.4639, 88.6033,
85.0017

■ 0.8401, 1.9862,
1.3443

■ 90.1766, 114.6665,
111.1812

■ 0.0000, 0.5994,
0.0977

■ 116.0537,
145.3969, 142.2497

■ 0.0000, 0.0000,
0.0000

146.4607,

181.1787, 178.6258

181.7629,
222.3964, 220.7279

■ 15.9505, 23.3337,
20.8027

■ 15.9505, 23.3337,
20.8027

■ 14.7805, 22.7663,
19.1609

■ 17.3938, 24.0412,
22.5495

■ 13.8618, 22.3258,
17.6199

■ 19.1265, 24.8952,
24.4019

■ 13.1716, 22.0012,
16.1778

■ 21.1659, 25.9053,
26.3626

■ 12.6795, 21.7768,
14.8316

■ 23.5271, 27.0791,
28.4337

■ 12.4711, 21.6831,
14.2048

■ 26.2243, 28.4240,
30.6173

■ 29.2707, 29.9468,
32.9152

■ 32.6791, 31.6540,
35.3293

■ 36.4612, 33.5517,
37.8615

■ 40.6286, 35.6456,
40.5135

Harmonies

Analogous

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



17.4270, 23.3337, 13.7085



15.9505, 23.3337, 20.8027



16.0065, 23.3337, 31.4946

Triad

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



15.9505, 23.3337, 20.8027



24.2128, 23.3337, 50.5214



27.5022, 23.3337, 13.3506

Complementary

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



15.9505, 23.3337, 20.8027



16.0472, 10.9263, 12.0906

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.



29.7613, 23.3337, 20.1582



15.9505, 23.3337, 20.8027



27.7224, 23.3337, 42.3721

Square

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



15.9505, 23.3337, 20.8027



20.5061, 23.3337, 50.8373



29.8461, 23.3337, 30.6437



23.9383, 23.3337, 10.2901

Rectangle

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



15.9505, 23.3337, 20.8027



16.8987, 23.3337, 39.4343



29.8461, 23.3337, 30.6437



28.4560, 23.3337, 15.1757

Sweetspot

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



15.9511, 23.3346, 20.8032



41.1299, 47.9942, 50.0676



16.2102, 23.7323, 8.8810



9.2120, 10.8679, 11.2764



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.9511, 23.3346, 20.8032



26.0597, 40.5725, 33.6749



16.3463, 20.9304, 30.7833



5.8768, 6.5273, 6.9624



10.8235, 18.8022, 12.3779



0.1466, 0.2358, 0.2258

Inverse Universe

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



16.0472, 10.9263, 12.0906



26.2669, 16.0228, 16.5227



15.6566, 11.8768, 6.6219



5.8815, 5.8477, 6.4820



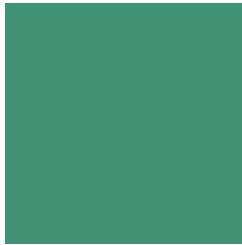
10.9924, 5.6020, 3.4412



0.1477, 0.0738, 0.1113

Previews

White Background



This preview shows how the XYZ color 15.9505, 23.3337, 20.8027 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 15.9505, 23.3337, 20.8027 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 15.9505, 23.3337, 20.8027

Background



This preview shows how black text looks on a background with the XYZ color 15.9505, 23.3337, 20.8027.



This preview shows how white text looks on a background with the XYZ color 15.9505, 23.3337,

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

15.9505, 23.3337, 20.8027

Protanopia

21.7132, 23.1173, 18.0695

Deuteranopia

23.3150, 22.8798, 21.5998



Tritanopia

18.5663, 23.2569, 34.0823

Trichromacy



Original Color

15.9505, 23.3337, 20.8027

Protanomaly

18.6084, 22.5283, 18.9904

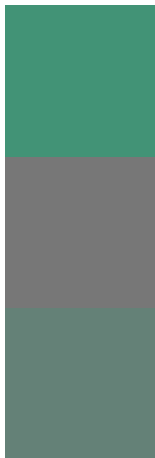
Deuteranomaly

19.4475, 22.2822, 21.3651

Tritanomaly

17.5286, 23.2861, 28.7701

Monochromacy



Original Color

15.9505, 23.3337, 20.8027

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.4356, 19.7417, 20.3971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9505, 23.3337, 20.8027 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(66, 147, 118)` looks like.

```
.text, #text, p{  
    color:rgb(66, 147, 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(66, 147, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 147, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.9505, 23.3337, 20.8027 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(66, 147, 118) }
```


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

```
.border{ border-color:rgb(66, 147, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 147, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 147, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 147, 118);  
box-shadow:4px 4px 4px 4px rgb(66, 147,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9505, 23.3337, 20.8027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 147, 118) }
```

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

```
.background{ background-color: rgb(66, 147,  
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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