

Converting Colors

XYZ(16.7313, 32.3012, 23.2324)

Have a look what the booklet for
XYZ(16.7313, 32.3012, 23.2324)
contains.

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Color

**XYZ(19.5103, 33.5963,
23.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	00B378
RGB	0, 179, 120
RGB Percent	0%, 70%, 47%
CMY	0.9999, 0.2980, 0.5294
CMYK	1.00, 0.00, 0.33, 0.30
HSL	160°, 100%, 35%
HSV	160°, 100%, 70%
XYZ	19.5103, 33.5963, 23.2257
YIQ	118.7530, -87.7450, -56.2970

Conversions

Conversions Part 2

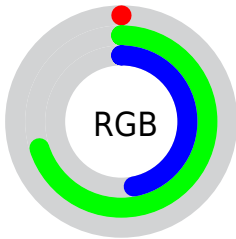
Format	Color
RYB	0, 107, 179
Decimal	45944
CIELab	64.64, -52.64, 19.54
CIELCh	65, 56.150, 159.639
Yxy	33.5963, 0.2556, 0.4401
Android (android.graphics.Color)	4278236024 (0xFF00B378)
YUV	118.7530, 0.6148, -104.1464
Hunter-Lab	57.9623, -41.3504, 16.8159

Details

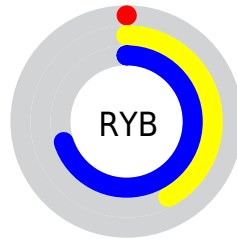
The XYZ color **19.5103, 33.5963, 23.2257** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.3812, 9.9004, 5.0296**, and the grayscale version is **17.4765, 18.3867, 20.0231**.

A 20% lighter version of the original color is **42.1544, 65.3877, 49.9345**, and **8.4709, 15.1222, 8.4336** is the 20% darker color. If you saturate the color by 10%, you get **19.5106, 33.5974, 23.2247**, and if you desaturate by 10%, it is **20.1282, 33.8731, 25.1829**.

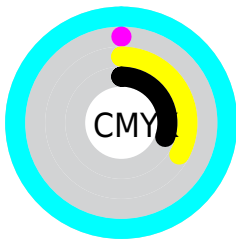
Distribution



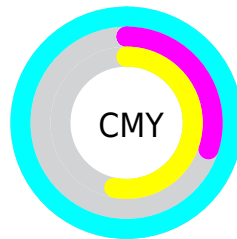
- Red (0%)
- Green (70%)
- Blue (47%)



- Red (0%)
- Yellow (42%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5103, 33.5963, 23.2257 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 19.5103, 33.5963, 23.2257 by changing the saturation by 10% instead.


 19.5103, 33.5963,
23.2257


 19.5103, 33.5963,
23.2257


242.1360,
318.3282, 282.0415


 12.1458, 22.5836,
14.5534


 42.1049, 65.3054,
49.6915


 6.9159, 14.2864,
8.3634


 58.0656, 86.7706,
68.3222

 3.4554, 8.3201,
4.2373


 77.6225, 112.4888,
91.1093

 1.3989, 4.3005,
1.7564

 101.1408,
142.8444, 118.4715

 0.2555, 1.8430,
0.3990

 128.9860,
178.2217, 150.8272

 0.0000, 0.5138,
0.0000

 161.5233,

 0.0000, 0.0000,

219.0052, 188.5951

0.0000

199.1182,
265.5792, 232.1937

■ 19.5103, 33.5963,
23.2257

■ 19.5103, 33.5963,
23.2257

■ 19.5106, 33.5974,
23.2247

■ 20.1282, 33.8731,
25.1829

■ 20.9933, 34.2738,
27.2682

■ 22.1929, 34.8443,
29.4884

■ 23.7687, 35.6060,
31.8472

■ 25.7557, 36.5771,
34.3483

■ 28.1851, 37.7734,
36.9948

■ 31.0849, 39.2095,
39.7899

■ 34.4806, 40.8983,
42.7366

■ 38.3960, 42.8522,
45.8375

Harmonies

Analogous

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



23.0423, 33.5963, 11.9649



19.5103, 33.5963, 23.2257



18.9764, 33.5963, 44.5149

Triad

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



19.5103, 33.5963, 23.2257



34.5942, 33.5963, 99.9806



45.3933, 33.5963, 14.9657

Complementary

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



19.5103, 33.5963, 23.2257



19.3812, 9.9004, 5.0296

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.



49.7478, 33.5963, 29.6501



19.5103, 33.5963, 23.2257



42.8571, 33.5963, 82.4250

Square

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



19.5103, 33.5963, 23.2257



26.8449, 33.5963, 95.8489



48.7488, 33.5963, 54.2691



37.6249, 33.5963, 8.7765

Rectangle

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



19.5103, 33.5963, 23.2257



20.2820, 33.5963, 63.1673



48.7488, 33.5963, 54.2691



47.3595, 33.5963, 18.7489

Sweetspot

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



19.5112, 33.5976, 23.2265



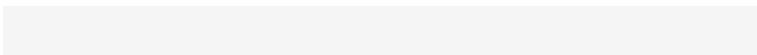
55.3808, 70.0769, 70.9951



17.9649, 33.1921, 5.4604



11.7709, 15.2783, 15.2608



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.5112, 33.5976, 23.2265



34.8339, 60.1267, 41.0257



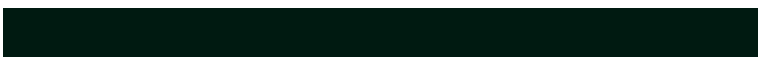
18.9119, 24.8043, 46.4404



8.6211, 9.5830, 10.2646



13.8176, 23.7530, 16.5743



0.4603, 0.7576, 0.6562

Inverse Universe

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



19.3812, 9.9004, 5.0296



34.6167, 17.6929, 8.5183



19.0516, 10.5050, 1.0240



8.6080, 8.5499, 9.4344



13.7220, 7.0064, 3.6962



0.4594, 0.2315, 0.2619

Previews

White Background



This preview shows how the XYZ color 19.5103, 33.5963, 23.2257 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.5103, 33.5963, 23.2257 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 ✓ Pass

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

XYZ 19.5103, 33.5963, 23.2257

Background



This preview shows how black text looks on a background with the XYZ color 19.5103, 33.5963, 23.2257.



This preview shows how white text looks on a background with the XYZ color 19.5103, 33.5963,

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

19.5103, 33.5963, 23.2257

Protanopia

30.8514, 33.2276, 19.5394

Deuteranopia

33.7932, 33.1688, 24.6998



Tritanopia

25.3065, 33.6527, 51.0608

Trichromacy



Original Color

19.5103, 33.5963, 23.2257



Protanomaly

22.3761, 30.8916, 20.7029



Deuteranomaly

23.4532, 30.5898, 23.7371



Tritanomaly

22.4058, 33.2766, 38.9603

Monochromacy



Original Color

19.5103, 33.5963, 23.2257



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.8351, 21.9182, 20.8488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5103, 33.5963, 23.2257 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(0, 179, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 120)  
}
```

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(0, 179, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.5103, 33.5963, 23.2257 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(0, 179, 120) }
```


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

```
.border{ border-color:rgb(0, 179, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5103, 33.5963, 23.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 120) }
```

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

```
.background{ background-color: rgb(0, 179,  
120) }
```

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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