

Converting Colors

XYZ(19.6482, 30.9039, 23.3498)

Have a look what the booklet for
XYZ(19.6482, 30.9039, 23.3498)
contains.

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Color

**XYZ(19.5643, 30.7417,
23.3150)**

Conversions

Conversions Part 1

Format	Color
Hex	3CA97A
RGB	60, 169, 122
RGB Percent	24%, 66%, 48%
CMY	0.7647, 0.3372, 0.5216
CMYK	0.64, 0.00, 0.28, 0.34
HSL	154°, 48%, 45%
HSV	154°, 64%, 66%
XYZ	19.5643, 30.7417, 23.3150
YIQ	131.0510, -49.8770, -37.7250

Conversions

Conversions Part 2

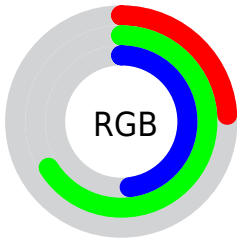
Format	Color
RYB	60, 129, 169
Decimal	3975546
CIELab	62.29, -42.23, 15.33
CIELCh	62, 44.929, 160.052
Yxy	30.7417, 0.2657, 0.4176
Android (android.graphics.Color)	4282165626 (0xFF3CA97A)
YUV	131.0510, -4.4621, -62.3117
Hunter-Lab	55.4452, -34.0439, 13.8799

Details

The XYZ color **19.5643, 30.7417, 23.3150** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.6329, 12.7290, 15.2805**, and the grayscale version is **21.6205, 22.7465, 24.7709**.

A 20% lighter version of the original color is **42.2708, 60.8675, 50.0781**, and **7.4480, 12.9718, 8.4146** is the 20% darker color. If you saturate the color by 10%, you get **18.2672, 30.1240, 20.9853**, and if you desaturate by 10%, it is **21.2230, 31.5434, 25.8397**.

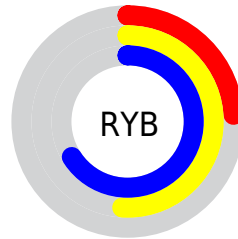
Distribution



Red (24%)

Green (66%)

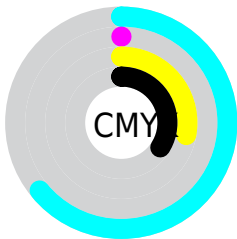
Blue (48%)



Red (24%)

Yellow (51%)

Blue (66%)

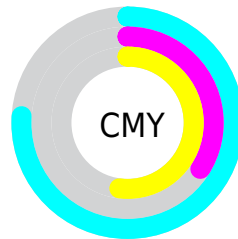


Cyan (64%)

Magenta (0%)

Yellow (28%)

Black (34%)



Cyan (76%)

Magenta (34%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5643, 30.7417, 23.3150 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 19.5643, 30.7417, 23.3150 by changing the saturation by 10% instead.

■ 19.5643, 30.7417,
23.3150

■ 19.5643, 30.7417,
23.3150

242.4253,
305.3466, 282.5130

■ 12.1851, 20.4022,
14.6188

■ 42.1950, 60.8332,
49.8398

■ 6.9430, 12.6878,
8.4086

■ 58.1773, 81.3540,
68.5054

■ 3.4725, 7.2139,
4.2660

■ 77.7580, 106.0373,
91.3313

■ 1.4083, 3.5962,
1.7724

■ 101.3025,
135.2677, 118.7359

■ 0.2621, 1.4504,
0.4096

■ 129.1761,
169.4294, 151.1379

■ 0.0000, 0.2534,
0.0000

161.7442,

■ 0.0000, 0.0000,

208.9068, 188.9557

0.0000

199.3722,
254.0844, 232.6079

■ 19.5643, 30.7417,
23.3150

■ 19.5643, 30.7417,
23.3150

■ 18.2672, 30.1240,
20.9853

■ 21.2230, 31.5434,
25.8397

■ 17.2960, 29.6698,
18.8432

■ 23.2695, 32.5403,
28.5625

■ 16.6119, 29.3598,
16.8835

■ 25.7305, 33.7468,
31.4888

■ 16.3057, 29.2239,
15.8787

■ 28.6294, 35.1748,
34.6232

■ 31.9878, 36.8356,
37.9703

■ 35.8260, 38.7393,
41.5342

■ 40.1629, 40.8958,
45.3191

■ 45.0162, 43.3141,
49.3290

■ 50.4032, 46.0029,
53.5679

Harmonies

Analogous

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



22.3343, 30.7417, 13.8526



19.5643, 30.7417, 23.3150



19.1682, 30.7417, 39.6516

Triad

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



19.5643, 30.7417, 23.3150



31.3037, 30.7417, 78.3482



39.0940, 30.7417, 16.2426

Complementary

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



19.5643, 30.7417, 23.3150



20.6329, 12.7290, 15.2805

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.



42.2830, 30.7417, 27.9712



19.5643, 30.7417, 23.3150



37.3906, 30.7417, 66.1298

Square

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



19.5643, 30.7417, 23.3150



25.4154, 30.7417, 75.7465



41.6198, 30.7417, 46.2199



33.3844, 30.7417, 10.8589

Rectangle

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



19.5643, 30.7417, 23.3150



20.2366, 30.7417, 53.1555



41.6198, 30.7417, 46.2199



40.5298, 30.7417, 19.3694

Sweetspot

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



19.5651, 30.7429, 23.3157



54.2677, 64.4741, 65.0485



21.0960, 31.8437, 9.3100



11.4745, 13.8778, 13.8220



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.5651, 30.7429, 23.3157



31.9732, 53.5995, 36.0536



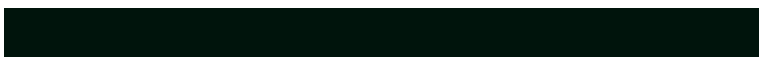
21.8993, 29.5732, 42.0915



7.6088, 8.4766, 8.9259



12.1794, 21.7905, 11.9773



0.3212, 0.5401, 0.4226

Inverse Universe

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



20.6329, 12.7290, 15.2805



34.0542, 18.8620, 20.6677



19.2017, 12.8081, 5.7356



7.6604, 7.5940, 8.5288



13.1137, 6.6542, 5.4102



0.3449, 0.1722, 0.2677

Previews

White Background



This preview shows how the XYZ color 19.5643, 30.7417, 23.3150 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 19.5643, 30.7417, 23.3150 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 19.5643, 30.7417, 23.3150

Background



This preview shows how black text looks on a background with the XYZ color 19.5643, 30.7417, 23.3150.



This preview shows how white text looks on a background with the XYZ color 19.5643, 30.7417,

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

19.5643, 30.7417, 23.3150

Protanopia

28.2253, 30.1607, 19.9568

Deuteranopia

30.8828, 30.2757, 24.6382



Tritanopia

23.8826, 30.5981, 45.2047

Trichromacy



Original Color

19.5643, 30.7417, 23.3150



Protanomaly

23.3530, 29.3230, 20.9521



Deuteranomaly

24.5172, 29.1141, 24.0661



Tritanomaly

22.1284, 30.6883, 36.2096

Monochromacy



Original Color

19.5643, 30.7417, 23.3150



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.8474, 24.8126, 24.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5643, 30.7417, 23.3150 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(60, 169, 122)` looks like.

```
.text, #text, p{  
    color:rgb(60, 169, 122)  
}
```

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(60, 169, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 169, 122) }
```

Border

The CSS property to change the border of an element to XYZ 19.5643, 30.7417, 23.3150 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(60, 169, 122) }
```


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

```
.border{ border-color:rgb(60, 169, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 169, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 169, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 169, 122);  
box-shadow:4px 4px 4px 4px rgb(60, 169,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5643, 30.7417, 23.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 169, 122) }
```

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

```
.background{ background-color: rgb(60, 169,  
122) }
```

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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