

Converting Colors

XYZ(20.0197, 31.0884, 23.7971)

Have a look what the booklet for
XYZ(20.0197, 31.0884, 23.7971)
contains.

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Color

**XYZ(19.9431, 30.9298,
23.6578)**

Conversions

Conversions Part 1

Format	Color
Hex	41A97B
RGB	65, 169, 123
RGB Percent	25%, 66%, 48%
CMY	0.7451, 0.3372, 0.5176
CMYK	0.62, 0.00, 0.27, 0.34
HSL	153°, 44%, 46%
HSV	153°, 62%, 66%
XYZ	19.9431, 30.9298, 23.6578
YIQ	132.6600, -47.2180, -36.3540

Conversions

Conversions Part 2

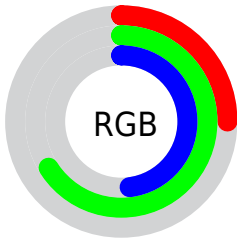
Format	Color
RYB	65, 132, 169
Decimal	4303227
CIELab	62.45, -41.03, 15.02
CIElCh	62, 43.689, 159.892
Yxy	30.9298, 0.2676, 0.4150
Android (android.graphics.Color)	4282493307 (0xFF41A97B)
YUV	132.6600, -4.7624, -59.3378
Hunter-Lab	55.6146, -33.3163, 13.7089

Details

The XYZ color **19.9431, 30.9298, 23.6578** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.1228, 13.3641, 16.5064**, and the grayscale version is **22.2005, 23.3567, 25.4354**.

A 20% lighter version of the original color is **42.9301, 61.1960, 50.6236**, and **7.4814, 12.9852, 8.5906** is the 20% darker color. If you saturate the color by 10%, you get **18.5372, 30.2579, 21.2422**, and if you desaturate by 10%, it is **21.7211, 31.7911, 26.2788**.

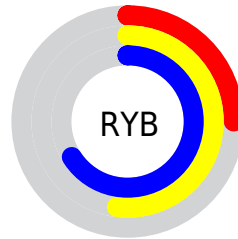
Distribution



Red (25%)

Green (66%)

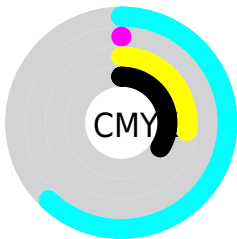
Blue (48%)



Red (25%)

Yellow (52%)

Blue (66%)

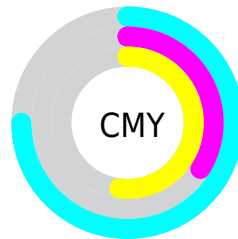


Cyan (62%)

Magenta (0%)

Yellow (27%)

Black (34%)



Cyan (75%)

Magenta (34%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9431, 30.9298, 23.6578 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 19.9431, 30.9298, 23.6578 by changing the saturation by 10% instead.

■ 19.9431, 30.9298,
23.6578

■ 19.9431, 30.9298,
23.6578

244.4464,
306.2148, 284.3165

■ 12.4617, 20.5454,
14.8701

■ 42.8264, 61.1295,
50.4080

■ 7.1334, 12.7921,
8.5827

■ 58.9591, 81.7137,
69.2076

■ 3.5927, 7.2856,
4.3769

■ 78.7062, 106.4665,
92.1816

■ 1.4744, 3.6413,
1.8343

■ 102.4332,
135.7724, 119.7486

■ 0.3083, 1.4750,
0.4504

■ 130.5053,
170.0158, 152.3270

■ 0.0000, 0.2710,
0.0000

163.2880,

■ 0.0000, 0.0000,

209.5810, 190.3354

0.0000

201.1465,
254.8526, 234.1924

■ 19.9431, 30.9298,
23.6578

■ 19.9431, 30.9298,
23.6578

■ 18.5372, 30.2579,
21.2422

■ 21.7211, 31.7911,
26.2788

■ 17.4692, 29.7553,
19.0241

■ 23.8967, 32.8522,
29.1082

■ 16.7025, 29.4041,
16.9984

■ 26.4955, 34.1273,
32.1520

■ 16.2201, 29.1897,
15.4277

■ 29.5407, 35.6281,
35.4149

■ 33.0535, 37.3655,
38.9016

■ 37.0536, 39.3495,
42.6166

■ 41.5598, 41.5898,
46.5643

■ 46.5897, 44.0954,
50.7488

■ 52.1601, 46.8749,
55.1743

Harmonies

Analogous

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



22.6785, 30.9298, 14.3312



19.9431, 30.9298, 23.6578



19.5404, 30.9298, 39.6008

Triad

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



19.9431, 30.9298, 23.6578



31.3993, 30.9298, 77.1422



39.0361, 30.9298, 16.7837

Complementary

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



19.9431, 30.9298, 23.6578



21.1228, 13.3641, 16.5064

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.



42.1130, 30.9298, 28.3760



19.9431, 30.9298, 23.6578



37.3284, 30.9298, 65.4343

Square

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



19.9431, 30.9298, 23.6578



25.6518, 30.9298, 74.5583



41.4492, 30.9298, 46.1885



33.4919, 30.9298, 11.3875

Rectangle

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



19.9431, 30.9298, 23.6578



20.5840, 30.9298, 52.7003



41.4492, 30.9298, 46.1885



40.4249, 30.9298, 19.8908

Sweetspot

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



19.9439, 30.9310, 23.6585



54.8335, 64.7588, 65.3874



21.7998, 32.1905, 10.0659



11.5837, 13.9330, 13.8781



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.



19.9439, 30.9310, 23.6585



32.4055, 53.8130, 36.4968



22.5821, 30.4690, 42.2285



7.6053, 8.4752, 8.9076



12.1156, 21.7650, 11.6414



0.3199, 0.5396, 0.4155

Inverse Universe

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



21.1228, 13.3641, 16.5064



34.7169, 19.6143, 22.6550



19.5199, 13.2228, 6.5249



7.6638, 7.5954, 8.5468



13.1610, 6.6731, 5.6593



0.3461, 0.1727, 0.2742

Previews

White Background



This preview shows how the XYZ color 19.9431, 30.9298, 23.6578 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 19.9431, 30.9298, 23.6578 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 19.9431, 30.9298, 23.6578

Background



This preview shows how black text looks on a background with the XYZ color 19.9431, 30.9298, 23.6578.



This preview shows how white text looks on a background with the XYZ color 19.9431, 30.9298,

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

19.9431, 30.9298, 23.6578

Protanopia

28.4408, 30.5012, 20.3079

Deuteranopia

30.8828, 30.2757, 24.6382



Tritanopia

24.2255, 30.7748, 45.2208

Trichromacy



Original Color

19.9431, 30.9298, 23.6578

Protanomaly

23.7253, 29.7583, 21.3231

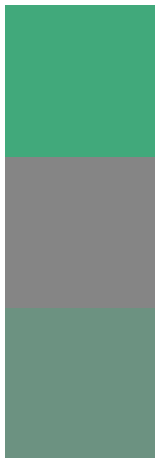
Deuteranomaly

24.8300, 29.2754, 24.0807

Tritanomaly

22.4364, 30.8471, 36.2240

Monochromacy



Original Color

19.9431, 30.9298, 23.6578

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.4257, 25.3309, 24.5817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9431, 30.9298, 23.6578 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(65, 169, 123)` looks like.

```
.text, #text, p{  
    color:rgb(65, 169, 123)  
}
```

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(65, 169, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 169, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.9431, 30.9298, 23.6578 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(65, 169, 123) }
```


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

```
.border{ border-color:rgb(65, 169, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 169, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 169, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 169, 123);  
box-shadow:4px 4px 4px 4px rgb(65, 169,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9431, 30.9298, 23.6578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 169, 123) }
```

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

```
.background{ background-color: rgb(65, 169,  
123) }
```

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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