

Converting Colors

XYZ(19.4433, 30.9123, 25.3640)

Have a look what the booklet for
XYZ(19.4433, 30.9123, 25.3640)
contains.

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Color

**XYZ(19.4433, 30.9123,
25.3640)**

Conversions

Conversions Part 1

Format	Color
Hex	2FAA80
RGB	47, 170, 128
RGB Percent	18%, 67%, 50%
CMY	0.8157, 0.3333, 0.4980
CMYK	0.72, 0.00, 0.25, 0.33
HSL	160°, 57%, 43%
HSV	160°, 72%, 67%
XYZ	19.4433, 30.9123, 25.3640
YIQ	128.4350, -59.8260, -39.1380

Conversions

Conversions Part 2

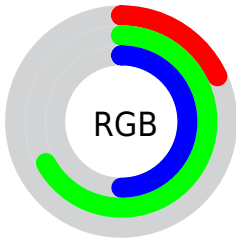
Format	Color
RYB	47, 121, 170
Decimal	3123840
CIELab	62.43, -43.47, 12.17
CIELCh	62, 45.137, 164.358
Yxy	30.9123, 0.2568, 0.4082
Android (android.graphics.Color)	4281313920 (0xFF2FAA80)
YUV	128.4350, -0.2145, -71.4185
Hunter-Lab	55.5988, -34.8753, 11.8713

Details

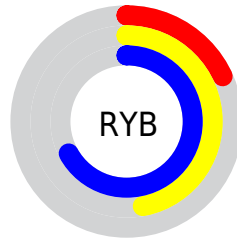
The XYZ color **19.4433, 30.9123, 25.3640** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.3983, 11.3011, 10.6113**, and the grayscale version is **20.6855, 21.7627, 23.6996**.

A 20% lighter version of the original color is **41.9673, 61.0439, 53.2868**, and **7.7726, 13.2871, 9.5521** is the 20% darker color. If you saturate the color by 10%, you get **18.4358, 30.4366, 23.3794**, and if you desaturate by 10%, it is **20.7795, 31.5565, 27.4795**.

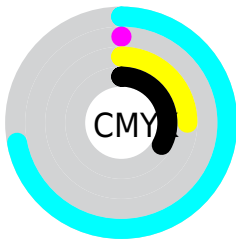
Distribution



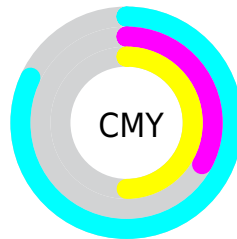
- Red (18%)
- Green (67%)
- Blue (50%)



- Red (18%)
- Yellow (47%)
- Blue (67%)



- Cyan (72%)
- Magenta (0%)
- Yellow (25%)
- Black (33%)



- Cyan (82%)
- Magenta (33%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4433, 30.9123, 25.3640 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 19.4433, 30.9123, 25.3640 by changing the saturation by 10% instead.

■ 19.4433, 30.9123,
25.3640

■ 19.4433, 30.9123,
25.3640

241.7766,
306.1341, 293.1514

■ 12.0969, 20.5321,
16.1270

■ 41.9929, 61.1020,
53.2185

■ 6.8824, 12.7824,
9.4587

■ 57.9269, 81.6802,
72.6731

■ 3.4343, 7.2789,
4.9407

■ 77.4542, 106.4266,
96.3707

■ 1.3874, 3.6371,
2.1544

■ 100.9400,
135.7255, 124.7297

■ 0.2472, 1.4727,
0.6479

■ 128.7498,
169.9612, 158.1687

■ 0.0000, 0.2694,
0.0000

161.2490,

■ 0.0000, 0.0000,

209.5184, 197.1063

0.0000

198.8028,
254.7812, 241.9610

■ 19.4433, 30.9123,
25.3640

■ 19.4433, 30.9123,
25.3640

■ 18.4358, 30.4366,
23.3794

■ 20.7795, 31.5565,
27.4795

■ 17.7165, 30.1062,
21.5199

■ 22.4741, 32.3821,
29.7271

■ 17.2971, 29.9193,
20.1782

■ 24.5559, 33.4047,
32.1106

■ 27.0502, 34.6373,
34.6329

■ 29.9800, 36.0918,
37.2970

■ 33.3667, 37.7790,
40.1054

■ 37.2300, 39.7092,
43.0607

■ 41.5886, 41.8919,
46.1654

■ 46.4601, 44.3363,
49.4219

Harmonies

Analogous

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



21.8977, 30.9123, 14.8540



19.4433, 30.9123, 25.3640



19.3915, 30.9123, 42.7267

Triad

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



19.4433, 30.9123, 25.3640



32.3971, 30.9123, 78.0051



38.6242, 30.9123, 15.1659

Complementary

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



19.4433, 30.9123, 25.3640



19.3983, 11.3011, 10.6113

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.



42.3202, 30.9123, 25.9733



19.4433, 30.9123, 25.3640



38.4008, 30.9123, 63.9644

Square

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



19.4433, 30.9123, 25.3640



26.3210, 30.9123, 77.6631



42.2331, 30.9123, 43.5882



32.6699, 30.9123, 10.5170

Rectangle

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



19.4433, 30.9123, 25.3640



20.6975, 30.9123, 56.4871



42.2331, 30.9123, 43.5882



40.2065, 30.9123, 17.9954

Sweetspot

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



19.4441, 30.9135, 25.3647



54.3662, 65.4687, 67.6451



19.1101, 31.1322, 7.6917



11.7961, 14.4368, 14.7973



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.4441, 30.9135, 25.3647



32.5795, 54.8201, 40.2908



19.5843, 25.8185, 41.9829



7.6371, 8.4879, 9.0749



12.7504, 22.0189, 14.9842



0.3327, 0.5447, 0.4832

Inverse Universe

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



19.3983, 11.3011, 10.6113



32.5679, 17.1985, 12.3699



19.0078, 12.5846, 4.1170



7.6329, 7.5830, 8.3840



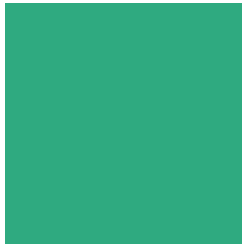
12.7813, 6.5212, 3.6601



0.3349, 0.1682, 0.2149

Previews

White Background



This preview shows how the XYZ color 19.4433, 30.9123, 25.3640 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 19.4433, 30.9123, 25.3640 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 19.4433, 30.9123, 25.3640

Background



This preview shows how black text looks on a background with the XYZ color 19.4433, 30.9123, 25.3640.

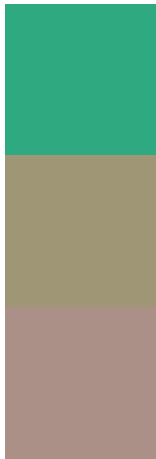


This preview shows how white text looks on a background with the XYZ color 19.4433, 30.9123,

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

19.4433, 30.9123, 25.3640

Protanopia

28.4744, 30.4916, 21.5242

Deuteranopia

30.8539, 30.2138, 26.7599



Tritanopia

23.7371, 31.0273, 46.3328

Trichromacy



Original Color

19.4433, 30.9123, 25.3640



Protanomaly

23.0410, 29.3706, 22.8671



Deuteranomaly

24.0135, 28.8084, 26.1247



Tritanomaly

21.8808, 30.7998, 37.5926

Monochromacy



Original Color

19.4433, 30.9123, 25.3640



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.8643, 23.8561, 24.0325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4433, 30.9123, 25.3640 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(47, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(47, 170, 128)  
}
```

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(47, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 170, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.4433, 30.9123, 25.3640 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(47, 170, 128) }
```


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

```
.border{ border-color:rgb(47, 170, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 170, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(47, 170,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4433, 30.9123, 25.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 170, 128) }
```

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

```
.background{ background-color: rgb(47, 170,  
128) }
```

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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