

Converting Colors

XYZ(21.0913, 30.7166, 39.2451)

Have a look what the booklet for
XYZ(21.0913, 30.7166, 39.2451)
contains.

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Color

**XYZ(21.0893, 30.6219,
39.4494)**

Conversions

Conversions Part 1

Format	Color
Hex	22A7A3
RGB	34, 167, 163
RGB Percent	13%, 65%, 64%
CMY	0.8666, 0.3451, 0.3608
CMYK	0.80, 0.00, 0.02, 0.35
HSL	178°, 66%, 39%
HSV	178°, 80%, 65%
XYZ	21.0893, 30.6219, 39.4494
YIQ	126.7770, -77.9840, -29.4400

Conversions

Conversions Part 2

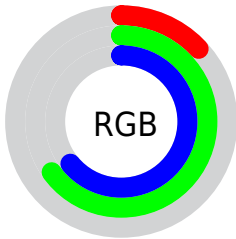
Format	Color
RYB	34, 102, 167
Decimal	2271139
CIELab	62.19, -34.31, -7.77
CIELCh	62, 35.184, 192.765
Yxy	30.6219, 0.2313, 0.3359
Android (android.graphics.Color)	4280461219 (0xFF22A7A3)
YUV	126.7770, 17.8579, -81.3654
Hunter-Lab	55.3371, -28.8124, -3.5315

Details

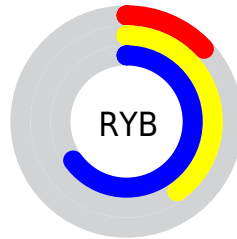
The XYZ color **21.0893, 30.6219, 39.4494** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8593, 9.5005, 2.7800**, and the grayscale version is **20.0577, 21.1023, 22.9804**.

A 20% lighter version of the original color is **44.8683, 60.8406, 75.7083**, and **8.8866, 13.1823, 17.1150** is the 20% darker color. If you saturate the color by 10%, you get **20.6220, 30.3869, 39.1936**, and if you desaturate by 10%, it is **21.8260, 30.9972, 39.7201**.

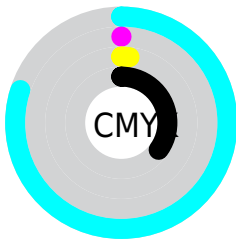
Distribution



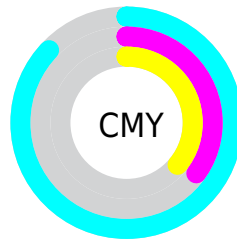
- Red (13%)
- Green (65%)
- Blue (64%)



- Red (13%)
- Yellow (40%)
- Blue (65%)



- Cyan (80%)
- Magenta (0%)
- Yellow (2%)
- Black (35%)



- Cyan (87%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0893, 30.6219, 39.4494 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 21.0893, 30.6219, 39.4494 by changing the saturation by 10% instead.

■ 21.0893, 30.6219,
39.4494

■ 21.0893, 30.6219,
39.4494

250.4754,
304.7926, 359.2802

■ 13.3021, 20.3111,
26.7990

■ 44.7263, 60.6443,
75.5522

■ 7.7154, 12.6214,
17.1912

■ 61.3068, 81.1247,
99.8418

■ 3.9636, 7.1684,
10.2075

■ 81.5491, 105.7637,
128.8481

■ 1.6816, 3.5676,
5.4294

■ 105.8186,
134.9458, 162.9897

■ 0.4447, 1.4348,
2.4382

■ 134.4806,
169.0554, 202.6852

■ 0.0000, 0.2421,
0.8071

167.9005,

■ 0.0000, 0.0000,

208.4768, 248.3531

0.0000

206.4437,
253.5944, 300.4119

■ 21.0893, 30.6219,
39.4494

■ 21.0893, 30.6219,
39.4494

■ 20.6220, 30.3869,
39.1936

■ 21.8260, 30.9972,
39.7201

■ 20.3481, 30.2508,
38.9472

■ 22.8637, 31.5268,
40.0051

■ 20.3388, 30.2462,
38.9382

■ 24.2323, 32.2271,
40.3065

■ 25.9576, 33.1113,
40.6256

■ 28.0628, 34.1913,
40.9634

■ 30.5691, 35.4780,
41.3209

■ 33.4962, 36.9816,
41.6990

■ 36.8624, 38.7116,
42.0986

■ 40.6851, 40.6769,
42.5206

Harmonies

Analogous

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



21.2381, 30.6219, 26.1896



21.0893, 30.6219, 39.4494



22.9128, 30.6219, 54.3952

Triad

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



21.0893, 30.6219, 39.4494



35.7438, 30.6219, 56.4151



31.8905, 30.6219, 14.1068

Complementary

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



21.0893, 30.6219, 39.4494



16.8593, 9.5005, 2.7800

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.



36.3235, 30.6219, 18.5716



21.0893, 30.6219, 39.4494



38.7085, 30.6219, 41.6908

Square

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



21.0893, 30.6219, 39.4494



31.1661, 30.6219, 65.8345



38.9315, 30.6219, 27.9000



27.1372, 30.6219, 13.8119

Rectangle

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



21.0893, 30.6219, 39.4494



25.1296, 30.6219, 62.3578



38.9315, 30.6219, 27.9000



33.4794, 30.6219, 15.0997

Sweetspot

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



21.0902, 30.6231, 39.4501



52.4989, 62.3831, 73.6887



14.9239, 28.1745, 6.1659



11.4118, 13.7874, 16.4413



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.



21.0902, 30.6231, 39.4501



36.5509, 54.2304, 69.8339



12.6808, 13.2213, 38.4441



7.7377, 8.5281, 9.6046



15.5663, 23.1453, 29.8127



0.3816, 0.5643, 0.7407

Inverse Universe

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



16.8593, 9.5005, 2.7800



28.7208, 14.9359, 1.8185



20.4154, 16.7106, 3.6637



7.5399, 7.5458, 7.8944



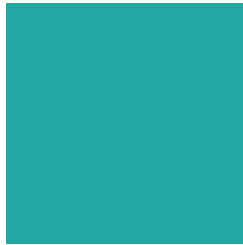
12.2190, 6.2963, 0.6991



0.3001, 0.1543, 0.0316

Previews

White Background



This preview shows how the XYZ color 21.0893, 30.6219, 39.4494 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 21.0893, 30.6219, 39.4494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

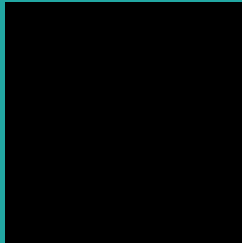
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.0893, 30.6219, 39.4494

Background



This preview shows how black text looks on a background with the XYZ color 21.0893, 30.6219, 39.4494.

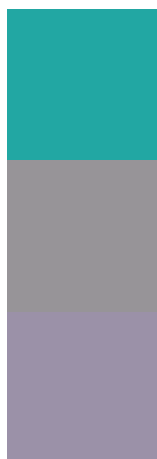


This preview shows how white text looks on a background with the XYZ color 21.0893, 30.6219,

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

21.0893, 30.6219, 39.4494

Protanopia

29.0199, 30.0261, 33.9719

Deuteranopia

30.7109, 30.0465, 41.2267



Tritanopia

22.6177, 30.7055, 46.8541

Trichromacy



Original Color

21.0893, 30.6219, 39.4494

Protanomaly

23.9064, 29.0311, 35.7961

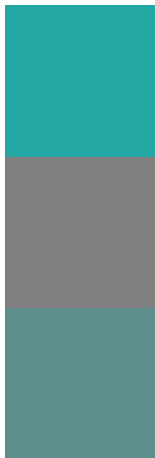
Deuteranomaly

24.8297, 28.9151, 40.3489

Tritanomaly

22.1339, 30.7818, 44.3101

Monochromacy



Original Color

21.0893, 30.6219, 39.4494

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.9208, 23.5666, 28.3625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0893, 30.6219, 39.4494 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(34, 167, 163)` looks like.

```
.text, #text, p{  
    color:rgb(34, 167, 163)  
}
```

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(34, 167, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 167, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.0893, 30.6219, 39.4494 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(34, 167, 163) }
```


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

```
.border{ border-color:rgb(34, 167, 163) }
```

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

Here you see how a box with a 4 pixel rgb(34, 167, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 167, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 167, 163);  
box-shadow:4px 4px 4px 4px rgb(34, 167,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0893, 30.6219, 39.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 167, 163) }
```

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

```
.background{ background-color: rgb(34, 167,  
163) }
```

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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