

Converting Colors

XYZ(21.1799, 30.9244, 33.7556)

Have a look what the booklet for
XYZ(21.1799, 30.9244, 33.7556)
contains.

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Color

**XYZ(21.0687, 30.7390,
33.6769)**

Conversions

Conversions Part 1

Format	Color
Hex	3AA796
RGB	58, 167, 150
RGB Percent	23%, 65%, 59%
CMY	0.7725, 0.3451, 0.4118
CMYK	0.65, 0.00, 0.10, 0.35
HSL	171°, 48%, 44%
HSV	171°, 65%, 65%
XYZ	21.0687, 30.7390, 33.6769
YIQ	132.4710, -59.5070, -28.3950

Conversions

Conversions Part 2

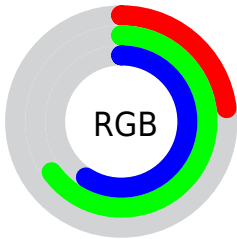
Format	Color
RYB	58, 117, 167
Decimal	3843990
CIELab	62.29, -34.84, -0.28
CIELCh	62, 34.843, 180.457
Yxy	30.7390, 0.2465, 0.3596
Android (android.graphics.Color)	4282034070 (0xFF3AA796)
YUV	132.4710, 8.6418, -65.3111
Hunter-Lab	55.4428, -29.1934, 2.7962

Details

The XYZ color **21.0687, 30.7390, 33.6769** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.7205, 11.7506, 7.9393**, and the grayscale version is **22.0884, 23.2387, 25.3070**.

A 20% lighter version of the original color is **44.7580, 60.9865, 66.5393**, and **8.2694, 12.9355, 13.8653** is the 20% darker color. If you saturate the color by 10%, you get **20.0435, 30.2352, 32.5466**, and if you desaturate by 10%, it is **22.4152, 31.4094, 34.8479**.

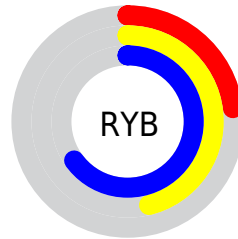
Distribution



Red (23%)

Green (65%)

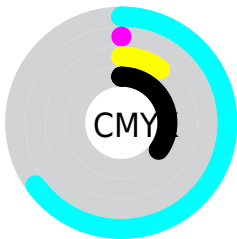
Blue (59%)



Red (23%)

Yellow (46%)

Blue (65%)

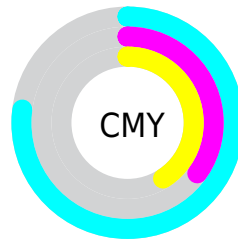


Cyan (65%)

Magenta (0%)

Yellow (10%)

Black (35%)



Cyan (77%)

Magenta (35%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0687, 30.7390, 33.6769 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 21.0687, 30.7390, 33.6769 by changing the saturation by 10% instead.

■ 21.0687, 30.7390,
33.6769

■ 21.0687, 30.7390,
33.6769

250.3682,
305.3341, 333.4140

■ 13.2870, 20.4002,
22.3701

■ 44.6923, 60.8289,
66.5590

■ 7.7048, 12.6863,
13.9282

■ 61.2648, 81.3488,
88.9715

■ 3.9569, 7.2129,
7.9326

■ 81.4983, 106.0312,
115.9230

■ 1.6778, 3.5956,
3.9647

■ 105.7582,
135.2604, 147.8320

■ 0.4423, 1.4500,
1.6060

■ 134.4098,
169.4210, 185.1170

■ 0.0000, 0.2532,
0.2951

167.8184,

■ 0.0000, 0.0000,

208.8971, 228.1967

0.0000

206.3494,
254.0734, 277.4895

■ 21.0687, 30.7390,
33.6769

■ 21.0687, 30.7390,
33.6769

■ 20.0435, 30.2352,
32.5466

■ 22.4152, 31.4094,
34.8479

■ 19.3052, 29.8780,
31.4533

■ 24.1079, 32.2569,
36.0589

■ 18.8147, 29.6480,
30.3956

■ 26.1722, 33.2955,
37.3120

■ 18.6235, 29.5601,
29.9052

■ 28.6305, 34.5367,
38.6084

■ 31.5033, 35.9910,
39.9490

■ 34.8097, 37.6682,
41.3351

■ 38.5675, 39.5776,
42.7676

■ 42.7938, 41.7280,
44.2473

■ 47.5044, 44.1274,
45.7753

Harmonies

Analogous

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



22.0289, 30.7390, 22.2470



21.0687, 30.7390, 33.6769



22.0888, 30.7390, 48.4023

Triad

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



21.0687, 30.7390, 33.6769



34.0484, 30.7390, 61.1529



33.9100, 30.7390, 15.6049

Complementary

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



21.0687, 30.7390, 33.6769



18.7205, 11.7506, 7.9393

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.



37.7330, 30.7390, 21.9752



21.0687, 30.7390, 33.6769



37.8187, 30.7390, 47.9454

Square

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



21.0687, 30.7390, 33.6769



29.2888, 30.7390, 66.6545



39.2332, 30.7390, 33.2630



29.1443, 30.7390, 13.6656

Rectangle

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



21.0687, 30.7390, 33.6769



23.8250, 30.7390, 57.7004



39.2332, 30.7390, 33.2630



35.3655, 30.7390, 17.1965

Sweetspot

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



21.0696, 30.7402, 33.6776



53.7020, 63.0794, 70.3102



17.5772, 29.4875, 8.7690



11.7130, 13.9619, 15.5896



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.



21.0696, 30.7402, 33.6776



35.2883, 53.8520, 57.4672



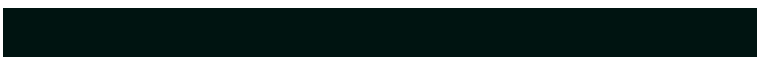
16.7927, 19.8340, 39.5038



7.6965, 8.5117, 9.3880



14.2651, 22.6248, 22.9604



0.3602, 0.5557, 0.6276

Inverse Universe

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



18.7205, 11.7506, 7.9393



30.8230, 17.2968, 8.2025



20.7336, 16.5870, 6.1126



7.5771, 7.5607, 8.0900



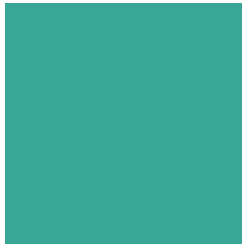
12.3500, 6.3487, 1.3888



0.3141, 0.1599, 0.1057

Previews

White Background



This preview shows how the XYZ color 21.0687, 30.7390, 33.6769 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 21.0687, 30.7390, 33.6769 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

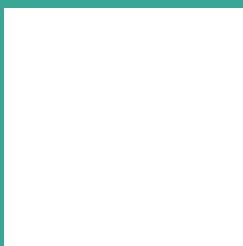
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0687, 30.7390, 33.6769

Background



This preview shows how black text looks on a background with the XYZ color 21.0687, 30.7390, 33.6769.

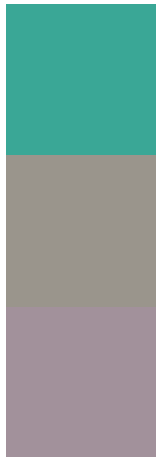


This preview shows how white text looks on a background with the XYZ color 21.0687, 30.7390,

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

21.0687, 30.7390, 33.6769

Protanopia

28.8075, 30.2584, 29.1331

Deuteranopia

30.9421, 30.2987, 35.2278



Tritanopia

23.4595, 30.6311, 45.7502

Trichromacy



Original Color

21.0687, 30.7390, 33.6769

Protanomaly

24.5303, 29.7125, 30.8278

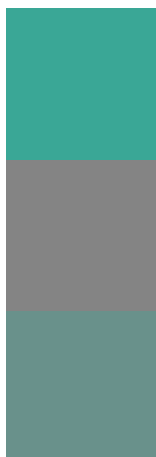
Deuteranomaly

25.4532, 29.3675, 34.4640

Tritanomaly

22.4973, 30.4992, 41.2604

Monochromacy



Original Color

21.0687, 30.7390, 33.6769

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.6113, 25.1181, 28.1881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0687, 30.7390, 33.6769 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(58, 167, 150)` looks like.

```
.text, #text, p{  
    color:rgb(58, 167, 150)  
}
```

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(58, 167, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 167, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.0687, 30.7390, 33.6769 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(58, 167, 150) }
```


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

```
.border{ border-color:rgb(58, 167, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 167, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 167, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 167, 150);  
box-shadow:4px 4px 4px 4px rgb(58, 167,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0687, 30.7390, 33.6769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 167, 150) }
```

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

```
.background{ background-color: rgb(58, 167,  
150) }
```

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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