

Converting Colors

XYZ(20.6986, 31.4738, 34.3475)

Have a look what the booklet for
XYZ(20.6986, 31.4738, 34.3475)
contains.

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Color

**XYZ(20.6203, 31.3239,
34.2375)**

Conversions

Conversions Part 1

Format	Color
Hex	22AA97
RGB	34, 170, 151
RGB Percent	13%, 67%, 59%
CMY	0.8666, 0.3333, 0.4078
CMYK	0.80, 0.00, 0.11, 0.33
HSL	172°, 67%, 40%
HSV	172°, 80%, 67%
XYZ	20.6203, 31.3239, 34.2375
YIQ	127.1700, -74.9570, -34.7410

Conversions

Conversions Part 2

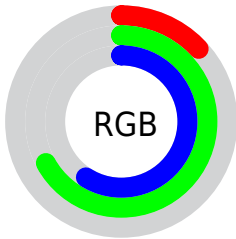
Format	Color
RYB	34, 107, 170
Decimal	2271895
CIELab	62.78, -39.13, -0.17
CIElCh	63, 39.131, 180.254
Yxy	31.3239, 0.2393, 0.3635
Android (android.graphics.Color)	4280461975 (0xFF22AA97)
YUV	127.1700, 11.7482, -81.7101
Hunter-Lab	55.9678, -32.1785, 2.9076

Details

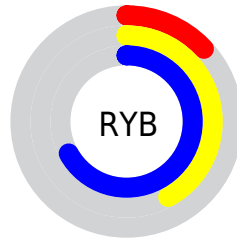
The XYZ color **20.6203, 31.3239, 34.2375** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.7932, 9.9480, 4.3516**, and the grayscale version is **20.2117, 21.2643, 23.1568**.

A 20% lighter version of the original color is **43.9247, 61.7435, 67.3602**, and **8.6615, 13.6427, 14.2334** is the 20% darker color. If you saturate the color by 10%, you get **20.0015, 31.0277, 33.2123**, and if you desaturate by 10%, it is **21.5218, 31.7669, 35.2977**.

Distribution



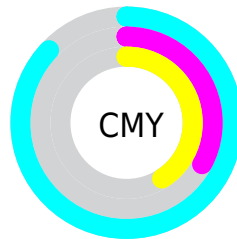
- Red (13%)
- Green (67%)
- Blue (59%)



- Red (13%)
- Yellow (42%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6203, 31.3239, 34.2375 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 20.6203, 31.3239, 34.2375 by changing the saturation by 10% instead.

■ 20.6203, 31.3239,
34.2375

■ 20.6203, 31.3239,
34.2375

248.0237,
308.0278, 335.9912

■ 12.9576, 20.8456,
22.7973

■ 43.9508, 61.7497,
67.4409

■ 7.4762, 13.0112,
14.2400

■ 60.3493, 82.4659,
90.0412

■ 3.8106, 7.4363,
8.1471

■ 80.3905, 107.3636,
117.1986

■ 1.5955, 3.7364,
4.1001

■ 104.4397,
136.8272, 149.3317

■ 0.3895, 1.5272,
1.6804

■ 132.8623,
171.2410, 186.8589

■ 0.0000, 0.3078,
0.3473

166.0236,

■ 0.0000, 0.0000,

210.9894, 230.1989

0.0000

204.2889,
256.4569, 279.7701

■ 20.6203, 31.3239,
34.2375

■ 20.6203, 31.3239,
34.2375

■ 20.0015, 31.0277,
33.2123

■ 21.5218, 31.7669,
35.2977

■ 19.5832, 30.8337,
32.2159

■ 22.7395, 32.3716,
36.3923

■ 19.5830, 30.8336,
32.2155

■ 24.3048, 33.1552,
37.5238

■ 26.2449, 34.1315,
38.6934

■ 28.5841, 35.3130,
39.9025

■ 31.3447, 36.7113,
41.1522

■ 34.5472, 38.3370,
42.4435

■ 38.2109, 40.2000,
43.7775

■ 42.3541, 42.3097,
45.1551

Harmonies

Analogous

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



21.7002, 31.3239, 21.4720



20.6203, 31.3239, 34.2375



21.7372, 31.3239, 51.2187

Triad

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



20.6203, 31.3239, 34.2375



35.2653, 31.3239, 66.4313



35.1767, 31.3239, 14.3808

Complementary

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



20.6203, 31.3239, 34.2375



17.7932, 9.9480, 4.3516

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.



39.5777, 31.3239, 21.3058



20.6203, 31.3239, 34.2375



39.6330, 31.3239, 50.9218

Square

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



20.6203, 31.3239, 34.2375



29.8182, 31.3239, 72.8916



41.2967, 31.3239, 33.9756



29.7267, 31.3239, 12.3057

Rectangle

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



20.6203, 31.3239, 34.2375



23.6644, 31.3239, 62.1630



41.2967, 31.3239, 33.9756



36.8502, 31.3239, 16.0912

Sweetspot

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



20.6212, 31.3251, 34.2382



54.5494, 65.4305, 73.6480



16.2073, 29.6616, 6.3850



11.7844, 14.3987, 16.2491



82.5889, 86.8899, 94.6231



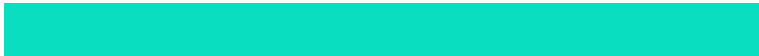
15.4596, 16.2647, 17.7123

Same Dimension

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



20.6212, 31.3251, 34.2382



35.7173, 56.0301, 58.8555



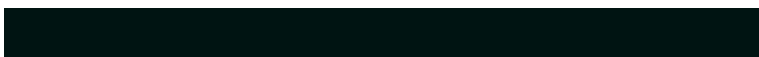
14.9252, 17.2612, 40.5767



7.7018, 8.5138, 9.4158



14.4203, 22.6869, 23.7781



0.3628, 0.5568, 0.6415

Inverse Universe

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



17.7932, 9.9480, 4.3516



30.5347, 15.8426, 3.3361



19.8547, 14.6372, 3.2927



7.5722, 7.5588, 8.0646



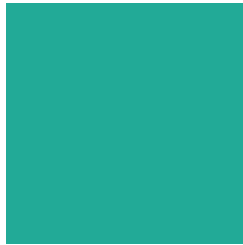
12.3269, 6.3395, 1.2672



0.3123, 0.1592, 0.0961

Previews

White Background



This preview shows how the XYZ color 20.6203, 31.3239, 34.2375 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 20.6203, 31.3239, 34.2375 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

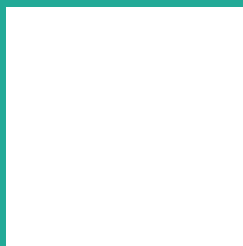
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6203, 31.3239, 34.2375

Background



This preview shows how black text looks on a background with the XYZ color 20.6203, 31.3239, 34.2375.

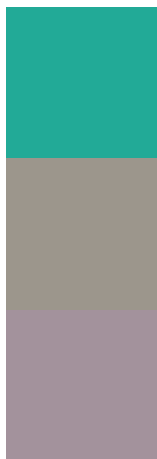


This preview shows how white text looks on a background with the XYZ color 20.6203, 31.3239,

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

20.6203, 31.3239, 34.2375

Protanopia

29.3503, 30.7741, 29.2040

Deuteranopia

31.3839, 30.7446, 35.7327



Tritanopia

23.2942, 31.3114, 47.4638

Trichromacy



Original Color

20.6203, 31.3239, 34.2375

Protanomaly

23.7731, 29.5723, 30.8406

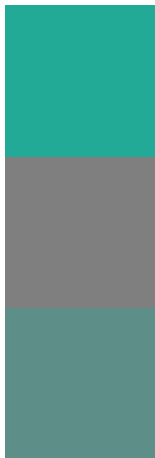
Deuteranomaly

24.7565, 29.4888, 34.9589

Tritanomaly

22.1524, 31.1063, 42.3727

Monochromacy



Original Color

20.6203, 31.3239, 34.2375

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.7806, 23.7497, 26.8869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6203, 31.3239, 34.2375 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, 170, 151)` looks like.

```
.text, #text, p{  
  color:rgb(34, 170, 151)  
}
```

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, 170, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 170, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.6203, 31.3239, 34.2375 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, 170, 151) }
```


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

```
.border{ border-color:rgb(34, 170, 151) }
```

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

Here you see how a box with a 4 pixel rgb(34, 170, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 170, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 170, 151);  
box-shadow:4px 4px 4px 4px rgb(34, 170,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6203, 31.3239, 34.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 170, 151) }
```

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

```
.background{ background-color: rgb(34, 170,  
151) }
```

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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