

Converting Colors

XYZ(19.8524, 29.5308, 33.8910)

Have a look what the booklet for
XYZ(19.8524, 29.5308, 33.8910)
contains.

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Color

**XYZ(19.8777, 29.5760,
33.9392)**

Conversions

Conversions Part 1

Format	Color
Hex	27A597
RGB	39, 165, 151
RGB Percent	15%, 65%, 59%
CMY	0.8470, 0.3529, 0.4078
CMYK	0.76, 0.00, 0.08, 0.35
HSL	173°, 62%, 40%
HSV	173°, 76%, 65%
XYZ	19.8777, 29.5760, 33.9392
YIQ	125.7300, -70.6020, -31.0660

Conversions

Conversions Part 2

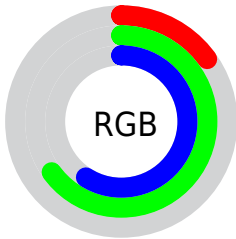
Format	Color
R_{YB}	39, 106, 165
Decimal	2598295
CIE _{Lab}	61.29, -36.34, -2.35
CIE _{LCh}	61, 36.420, 183.704
Yxy	29.5760, 0.2384, 0.3547
Android (android.graphics.Color)	4280788375 (0xFF27A597)
YUV	125.7300, 12.4581, -76.0622
Hunter-Lab	54.3838, -29.9286, 1.0677

Details

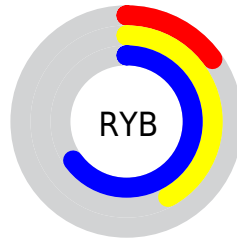
The XYZ color **19.8777, 29.5760, 33.9392** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8861, 9.7081, 4.3529**, and the grayscale version is **19.7167, 20.7435, 22.5897**.

A 20% lighter version of the original color is **42.8198, 59.1849, 66.9246**, and **8.0944, 12.5084, 14.0443** is the 20% darker color. If you saturate the color by 10%, you get **19.2360, 29.2629, 33.1384**, and if you desaturate by 10%, it is **20.7952, 30.0323, 34.7663**.

Distribution



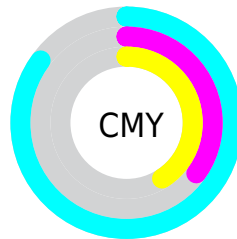
- Red (15%)
- Green (65%)
- Blue (59%)



- Red (15%)
- Yellow (42%)
- Blue (65%)



- Cyan (76%)
- Magenta (0%)
- Yellow (8%)
- Black (35%)



- Cyan (85%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8777, 29.5760, 33.9392 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 19.8777, 29.5760, 33.9392 by changing the saturation by 10% instead.

■ 19.8777, 29.5760,
33.9392

■ 19.8777, 29.5760,
33.9392

244.0985,
299.9231, 334.6217

■ 12.4139, 19.5170,
22.5699

■ 42.7176, 58.9910,
66.9719

■ 7.1004, 12.0444,
14.0740

■ 58.8243, 79.1158,
89.4724

■ 3.5719, 6.7739,
8.0328

■ 78.5428, 103.3646,
116.5204

■ 1.4629, 3.3211,
4.0279

■ 102.2384,
132.1218, 148.5345

■ 0.3004, 1.3016,
1.6406

■ 130.2764,
165.7719, 185.9331

■ 0.0000, 0.1424,
0.3196

163.0222,

■ 0.0000, 0.0000,

204.6992, 229.1348

0.0000

200.8411,
249.2881, 278.5582

■ 19.8777, 29.5760,
33.9392

■ 19.8777, 29.5760,
33.9392

■ 19.2360, 29.2629,
33.1384

■ 20.7952, 30.0323,
34.7663

■ 18.8235, 29.0671,
32.3598

■ 22.0172, 30.6447,
35.6191

■ 18.6960, 29.0074,
32.0804

■ 23.5716, 31.4281,
36.4997

■ 25.4826, 32.3951,
37.4092

■ 27.7720, 33.5569,
38.3488

■ 30.4599, 34.9239,
39.3193

■ 33.5650, 36.5056,
40.3218

■ 37.1046, 38.3112,
41.3571

■ 41.0954, 40.3490,
42.4260

Harmonies

Analogous

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



20.6290, 29.5760, 21.8646



19.8777, 29.5760, 33.9392



21.1173, 29.5760, 49.1900

Triad

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



19.8777, 29.5760, 33.9392



33.5439, 29.5760, 59.5436



32.3967, 29.5760, 13.8574

Complementary

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



19.8777, 29.5760, 33.9392



16.8861, 9.7081, 4.3529

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.



36.5001, 29.5760, 19.6609



19.8777, 29.5760, 33.9392



37.2135, 29.5760, 45.3747

Square

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



19.8777, 29.5760, 33.9392



28.7109, 29.5760, 66.3936



38.3521, 29.5760, 30.5275



27.5197, 29.5760, 12.3867

Rectangle

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



19.8777, 29.5760, 33.9392



22.9988, 29.5760, 58.5172



38.3521, 29.5760, 30.5275



33.9298, 29.5760, 15.2653

Sweetspot

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



19.8786, 29.5771, 33.9399



51.0752, 60.7765, 69.1825



15.3275, 27.8339, 6.4846



10.8246, 13.1135, 14.9955



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.8786, 29.5771, 33.9399



33.8786, 52.1340, 58.3215



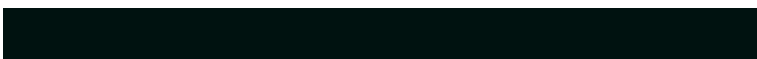
13.9555, 15.8018, 37.9132



7.2420, 7.9976, 8.8864



14.1546, 21.9482, 24.3283



0.3064, 0.4648, 0.5586

Inverse Universe

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



16.8861, 9.7081, 4.3529



28.3593, 14.8781, 3.2996



19.3168, 15.0120, 3.7994



7.1043, 7.0982, 7.5356



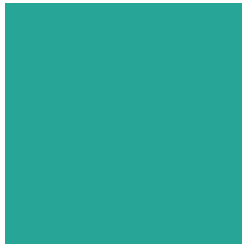
11.8335, 6.0895, 1.0479



0.2575, 0.1315, 0.0688

Previews

White Background



This preview shows how the XYZ color 19.8777, 29.5760, 33.9392 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8777, 29.5760, 33.9392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

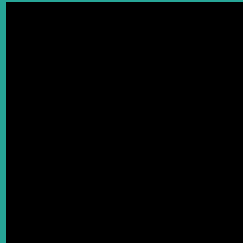
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8777, 29.5760, 33.9392

Background



This preview shows how black text looks on a background with the XYZ color 19.8777, 29.5760, 33.9392.

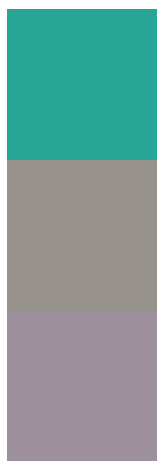


This preview shows how white text looks on a background with the XYZ color 19.8777, 29.5760,

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

19.8777, 29.5760, 33.9392

Protanopia

27.7750, 29.0305, 28.9505

Deuteranopia

29.7278, 29.2133, 35.5244



Tritanopia

22.1795, 29.7201, 45.1250

Trichromacy



Original Color

19.8777, 29.5760, 33.9392

Protanomaly

22.8557, 28.1111, 30.6069

Deuteranomaly

23.8388, 28.0437, 34.7284

Tritanomaly

21.2467, 29.6005, 40.6700

Monochromacy



Original Color

19.8777, 29.5760, 33.9392

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.3674, 22.8851, 26.3709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8777, 29.5760, 33.9392 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(39, 165, 151)` looks like.

```
.text, #text, p{  
    color:rgb(39, 165, 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(39, 165, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 165, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.8777, 29.5760, 33.9392 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(39, 165, 151) }
```


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

```
.border{ border-color:rgb(39, 165, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 165, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 165, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 165, 151);  
box-shadow:4px 4px 4px 4px rgb(39, 165,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8777, 29.5760, 33.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 165, 151) }
```

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

```
.background{ background-color: rgb(39, 165,  
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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