

Converting Colors

XYZ(19.2030, 28.4508, 35.5016)

Have a look what the booklet for
XYZ(19.2030, 28.4508, 35.5016)
contains.

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Color

**XYZ(19.1676, 28.3778,
35.4776)**

Conversions

Conversions Part 1

Format	Color
Hex	16A29B
RGB	22, 162, 155
RGB Percent	9%, 64%, 61%
CMY	0.9137, 0.3647, 0.3922
CMYK	0.86, 0.00, 0.04, 0.36
HSL	177°, 76%, 36%
HSV	177°, 86%, 64%
XYZ	19.1676, 28.3778, 35.4776
YIQ	119.3420, -81.1930, -31.8570

Conversions

Conversions Part 2

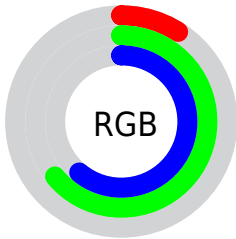
Format	Color
R_{YB}	22, 94, 162
Decimal	1483419
CIE _{Lab}	60.23, -35.36, -6.20
CIE _{LCh}	60, 35.899, 189.938
Yxy	28.3778, 0.2309, 0.3418
Android (android.graphics.Color)	4279673499 (0xFF16A29B)
YUV	119.3420, 17.5794, -85.3689
Hunter-Lab	53.2708, -28.9971, -2.1967

Details

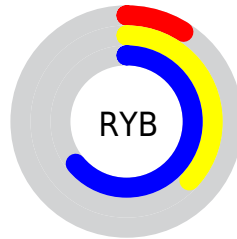
The XYZ color **19.1676, 28.3778, 35.4776** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.4099, 8.3448, 1.9619**, and the grayscale version is **17.6090, 18.5260, 20.1748**.

A 20% lighter version of the original color is **41.3585, 56.8258, 69.1103**, and **8.0746, 12.1513, 15.0166** is the 20% darker color. If you saturate the color by 10%, you get **18.8422, 28.2185, 35.1090**, and if you desaturate by 10%, it is **19.7128, 28.6516, 35.8602**.

Distribution



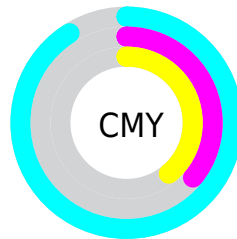
- Red (9%)
- Green (64%)
- Blue (61%)



- Red (9%)
- Yellow (37%)
- Blue (64%)



- Cyan (86%)
- Magenta (0%)
- Yellow (4%)
- Black (36%)



- Cyan (91%)
- Magenta (36%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1676, 28.3778, 35.4776 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 19.1676, 28.3778, 35.4776 by changing the saturation by 10% instead.

■ 19.1676, 28.3778,
35.4776

■ 19.1676, 28.3778,
35.4776

■ 240.2928,
294.2678, 341.6395

■ 11.8962, 18.6106,
23.7445

■ 41.5318, 57.0871,
69.3849

■ 6.7447, 11.3893,
14.9338

■ 57.3553, 76.7979,
92.3963

■ 3.3479, 6.3293,
8.6268

■ 76.7601, 100.5922,
120.0041

■ 1.3403, 3.0463,
4.4051

■ 100.1118,
128.8542, 152.6269

■ 0.2131, 1.1560,
1.8501

■ 127.7755,
161.9684, 190.6834

■ 0.0000, 0.0253,
0.4607

■ 160.1167,

■ 0.0000, 0.0000,

200.3191, 234.5919

0.0000

197.5007,
244.2908, 284.7711

■ 19.1676, 28.3778,
35.4776

■ 19.1676, 28.3778,
35.4776

■ 18.8422, 28.2185,
35.1090

■ 19.7128, 28.6516,
35.8602

■ 18.7452, 28.1713,
34.9780

■ 20.5179, 29.0587,
36.2567

■ 21.6139, 29.6157,
36.6692

■ 23.0264, 30.3358,
37.0989

■ 24.7785, 31.2310,
37.5469

■ 26.8912, 32.3120,
38.0142

■ 29.3836, 33.5886,
38.5017

■ 32.2735, 35.0702,
39.0102

■ 35.5777, 36.7652,
39.5405

Harmonies

Analogous

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



19.4909, 28.3778, 23.0015



19.1676, 28.3778, 35.4776



20.7456, 28.3778, 50.1695

Triad

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



19.1676, 28.3778, 35.4776



33.0551, 28.3778, 54.6617



30.1201, 28.3778, 12.6956

Complementary

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



19.1676, 28.3778, 35.4776



15.4099, 8.3448, 1.9619

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.



34.3346, 28.3778, 17.3280



19.1676, 28.3778, 35.4776



36.1581, 28.3778, 40.4233

Square

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



19.1676, 28.3778, 35.4776



28.5270, 28.3778, 63.1500



36.6512, 28.3778, 26.7316



25.4750, 28.3778, 12.0672

Rectangle

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



19.1676, 28.3778, 35.4776



22.7815, 28.3778, 58.4010



36.6512, 28.3778, 26.7316



31.6478, 28.3778, 13.7572

Sweetspot

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



19.1684, 28.3789, 35.4783



48.7828, 58.6406, 69.0029



13.6413, 26.1962, 5.0971



10.6569, 13.0171, 15.4342



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.



19.1684, 28.3789, 35.4783



34.0063, 51.1323, 63.3755



11.5398, 12.1531, 35.9212



7.2607, 8.0051, 8.9848



14.7723, 22.1952, 27.5809



0.3147, 0.4681, 0.6023

Inverse Universe

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



15.4099, 8.3448, 1.9619



27.1086, 13.9683, 1.5715



18.1142, 13.8766, 2.4835



7.0875, 7.0914, 7.4470



11.7787, 6.0675, 0.7591



0.2515, 0.1291, 0.0373

Previews

White Background



This preview shows how the XYZ color 19.1676, 28.3778, 35.4776 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 19.1676, 28.3778, 35.4776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

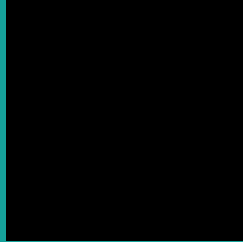
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1676, 28.3778, 35.4776

Background



This preview shows how black text looks on a background with the XYZ color 19.1676, 28.3778, 35.4776.

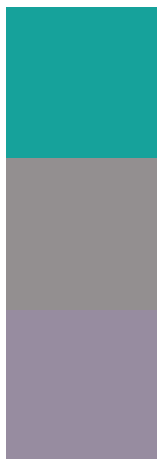


This preview shows how white text looks on a background with the XYZ color 19.1676, 28.3778,

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

19.1676, 28.3778, 35.4776

Protanopia

26.8891, 27.8616, 30.3462

Deuteranopia

28.4857, 27.8735, 37.1365



Tritanopia

20.7196, 28.2259, 43.3858

Trichromacy



Original Color

19.1676, 28.3778, 35.4776

Protanomaly

21.7311, 26.7756, 32.0398

Deuteranomaly

22.4704, 26.5915, 36.2961

Tritanomaly

20.0809, 28.2181, 40.4647

Monochromacy



Original Color

19.1676, 28.3778, 35.4776

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.4850, 20.8787, 24.9909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1676, 28.3778, 35.4776 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(22, 162, 155)` looks like.

```
.text, #text, p{  
    color:rgb(22, 162, 155)  
}
```

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(22, 162, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 162, 155) }
```

Border

The CSS property to change the border of an element to XYZ 19.1676, 28.3778, 35.4776 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(22, 162, 155) }
```


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

```
.border{ border-color:rgb(22, 162, 155) }
```

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

Here you see how a box with a 4 pixel rgb(22, 162, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 162, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 162, 155);  
box-shadow:4px 4px 4px 4px rgb(22, 162,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1676, 28.3778, 35.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 162, 155) }
```

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

```
.background{ background-color: rgb(22, 162,  
155) }
```

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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