

Converting Colors

XYZ(19.7269, 28.6786, 34.8651)

Have a look what the booklet for
XYZ(19.7269, 28.6786, 34.8651)
contains.

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Color

**XYZ(19.7493, 28.6873,
35.0682)**

Conversions

Conversions Part 1

Format	Color
Hex	2BA29A
RGB	43, 162, 154
RGB Percent	17%, 64%, 60%
CMY	0.8313, 0.3647, 0.3961
CMYK	0.73, 0.00, 0.05, 0.36
HSL	176°, 58%, 40%
HSV	176°, 73%, 64%
XYZ	19.7493, 28.6873, 35.0682
YIQ	125.5070, -68.3560, -27.7160

Conversions

Conversions Part 2

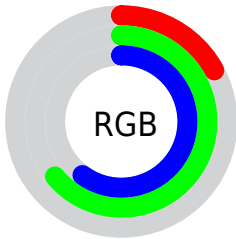
Format	Color
R_{YB}	43, 105, 162
Decimal	2859674
CIE _{Lab}	60.50, -33.61, -5.19
CIE _{LCh}	61, 34.012, 188.774
Yxy	28.6873, 0.2365, 0.3435
Android (android.graphics.Color)	4281049754 (0xFF2BA29A)
YUV	125.5070, 14.0470, -72.3586
Hunter-Lab	53.5605, -27.9129, -1.3271

Details

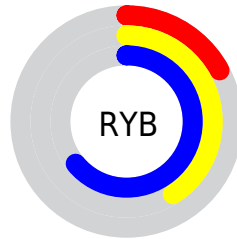
The XYZ color **19.7493, 28.6873, 35.0682** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.3626, 9.6490, 4.1329**, and the grayscale version is **19.6356, 20.6582, 22.4967**.

A 20% lighter version of the original color is **42.3824, 57.3679, 68.5138**, and **8.0241, 12.1311, 14.7506** is the 20% darker color. If you saturate the color by 10%, you get **19.1102, 28.3689, 34.5674**, and if you desaturate by 10%, it is **20.6607, 29.1473, 35.5873**.

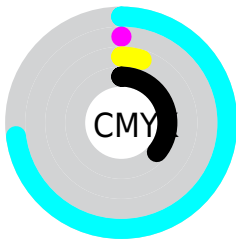
Distribution



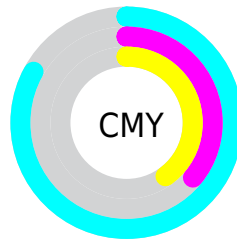
- Red (17%)
- Green (64%)
- Blue (60%)



- Red (17%)
- Yellow (41%)
- Blue (64%)



- Cyan (73%)
- Magenta (0%)
- Yellow (5%)
- Black (36%)



- Cyan (83%)
- Magenta (36%)
- Yellow (40%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7493, 28.6873, 35.0682 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 19.7493, 28.6873, 35.0682 by changing the saturation by 10% instead.

■ 19.7493, 28.6873,
35.0682

■ 19.7493, 28.6873,
35.0682

243.4142,
295.7367, 339.7827

■ 12.3201, 18.8444,
23.4314

■ 42.5036, 57.5799,
68.7442

■ 7.0358, 11.5579,
14.7041

■ 58.5595, 77.3984,
91.6205

■ 3.5311, 6.4434,
8.4677

■ 78.2217, 101.3108,
119.0804

■ 1.4404, 3.1165,
4.3036

■ 101.8555,
129.7017, 151.5424

■ 0.2848, 1.1929,
1.7933

■ 129.8263,
162.9553, 189.4251

■ 0.0000, 0.0559,
0.4236

162.4994,

■ 0.0000, 0.0000,

201.4561, 233.1470

0.0000

200.2403,
245.5884, 283.1267

■ 19.7493, 28.6873,
35.0682

■ 19.7493, 28.6873,
35.0682

■ 19.1102, 28.3689,
34.5674

■ 20.6607, 29.1473,
35.5873

■ 18.7066, 28.1712,
34.0813

■ 21.8704, 29.7602,
36.1240

■ 18.5156, 28.0794,
33.7688

■ 23.4041, 30.5402,
36.6802

■ 25.2842, 31.4986,
37.2570

■ 27.5310, 32.6460,
37.8552

■ 30.1634, 33.9920,
38.4759

■ 33.1987, 35.5456,
39.1197

■ 36.6533, 37.3154,
39.7876

■ 40.5429, 39.3092,
40.4802

Harmonies

Analogous

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



20.1338, 28.6873, 23.2788



19.7493, 28.6873, 35.0682



21.2035, 28.6873, 48.9426

Triad

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



19.7493, 28.6873, 35.0682



32.8987, 28.6873, 54.1141



30.4365, 28.6873, 13.6921

Complementary

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



19.7493, 28.6873, 35.0682



16.3626, 9.6490, 4.1329

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.



34.3871, 28.6873, 18.4157



19.7493, 28.6873, 35.0682



35.9113, 28.6873, 40.8257

Square

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



19.7493, 28.6873, 35.0682



28.5737, 28.6873, 61.7180



36.4834, 28.6873, 27.6929



25.9996, 28.6873, 12.9242

Rectangle

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



19.7493, 28.6873, 35.0682



23.1223, 28.6873, 56.7887



36.4834, 28.6873, 27.6929



31.8783, 28.6873, 14.7945

Sweetspot

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



19.7501, 28.6884, 35.0689



50.4404, 59.5005, 68.8362



14.8211, 26.7708, 6.6723



11.0753, 13.2340, 15.3967



78.6606, 82.7571, 90.1225



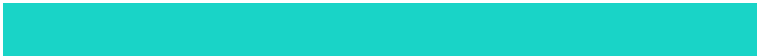
14.0027, 14.7319, 16.0430

Same Dimension

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



19.7501, 28.6884, 35.0689



34.1904, 51.2533, 62.2008



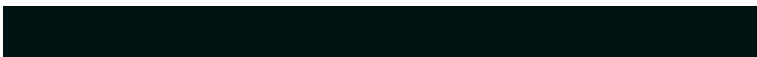
13.3591, 14.8039, 36.3369



7.2555, 8.0030, 8.9570



14.5929, 22.1235, 26.6363



0.3123, 0.4671, 0.5898

Inverse Universe

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



16.3626, 9.6490, 4.1329



27.7554, 14.7969, 3.2203



19.2153, 15.6127, 4.2870



7.0922, 7.0933, 7.4719



11.7924, 6.0730, 0.8313



0.2532, 0.1298, 0.0462

Previews

White Background



This preview shows how the XYZ color 19.7493, 28.6873, 35.0682 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 19.7493, 28.6873, 35.0682 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

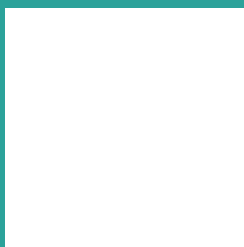
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7493, 28.6873, 35.0682

Background



This preview shows how black text looks on a background with the XYZ color 19.7493, 28.6873, 35.0682.

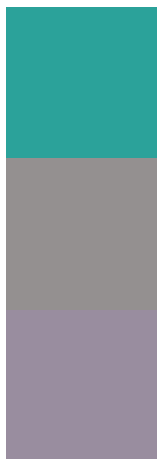


This preview shows how white text looks on a background with the XYZ color 19.7493, 28.6873,

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

19.7493, 28.6873, 35.0682

Protanopia

27.2200, 28.2560, 30.4049

Deuteranopia

28.9198, 28.3253, 36.7440



Tritanopia

21.3659, 28.5591, 43.4161

Trichromacy



Original Color

19.7493, 28.6873, 35.0682

Protanomaly

22.8423, 27.5863, 32.1378

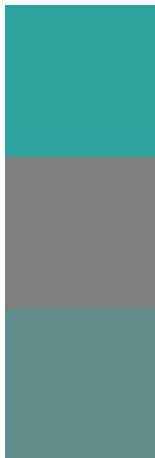
Deuteranomaly

23.6433, 27.4399, 35.9486

Tritanomaly

20.6777, 28.5363, 40.0155

Monochromacy



Original Color

19.7493, 28.6873, 35.0682

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.5004, 22.7296, 26.7047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7493, 28.6873, 35.0682 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(43, 162, 154)` looks like.

```
.text, #text, p{  
    color:rgb(43, 162, 154)  
}
```

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(43, 162, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 162, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.7493, 28.6873, 35.0682 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(43, 162, 154) }
```


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

```
.border{ border-color:rgb(43, 162, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 162, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 162, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 162, 154);  
box-shadow:4px 4px 4px 4px rgb(43, 162,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7493, 28.6873, 35.0682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 162, 154) }
```

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

```
.background{ background-color: rgb(43, 162,  
154) }
```

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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