

Converting Colors

XYZ(19.2023, 28.2819, 31.5948)

Have a look what the booklet for
XYZ(19.2023, 28.2819, 31.5948)
contains.

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Color

**XYZ(19.1521, 28.1934,
31.6266)**

Conversions

Conversions Part 1

Format	Color
Hex	30A192
RGB	48, 161, 146
RGB Percent	19%, 63%, 57%
CMY	0.8117, 0.3686, 0.4274
CMYK	0.70, 0.00, 0.09, 0.37
HSL	172°, 54%, 41%
HSV	172°, 70%, 63%
XYZ	19.1521, 28.1934, 31.6266
YIQ	125.5030, -62.5330, -28.6210

Conversions

Conversions Part 2

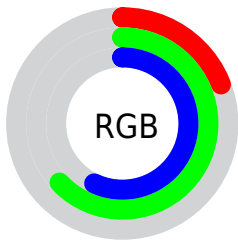
Format	Color
R_{YB}	48, 109, 161
Decimal	3187090
CIE _{Lab}	60.06, -34.73, -1.31
CIE _{LCh}	60, 34.751, 182.160
Yxy	28.1934, 0.2425, 0.3570
Android (android.graphics.Color)	4281377170 (0xFF30A192)
YUV	125.5030, 10.1050, -67.9701
Hunter-Lab	53.0975, -28.5361, 1.8531

Details

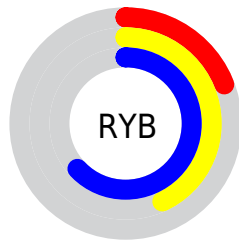
The XYZ color **19.1521, 28.1934, 31.6266** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6530, 10.0507, 5.7660**, and the grayscale version is **19.6457, 20.6688, 22.5083**.

A 20% lighter version of the original color is **41.4116, 56.5969, 63.3852**, and **7.5800, 11.7818, 12.9409** is the 20% darker color. If you saturate the color by 10%, you get **18.3617, 27.8056, 30.7303**, and if you desaturate by 10%, it is **20.2229, 28.7267, 32.5535**.

Distribution



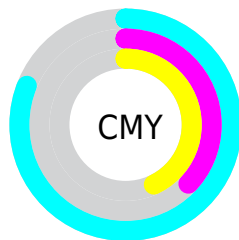
- Red (19%)
- Green (63%)
- Blue (57%)



- Red (19%)
- Yellow (43%)
- Blue (63%)



- Cyan (70%)
- Magenta (0%)
- Yellow (9%)
- Black (37%)



- Cyan (81%)
- Magenta (37%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1521, 28.1934, 31.6266 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 19.1521, 28.1934, 31.6266 by changing the saturation by 10% instead.

■ 19.1521, 28.1934,
31.6266

■ 19.1521, 28.1934,
31.6266

240.2092,
293.3899, 323.8549

■ 11.8849, 18.4715,
20.8140

■ 41.5058, 56.7931,
63.3163

■ 6.7370, 11.2890,
12.7982

■ 57.3231, 76.4396,
85.0306

■ 3.3430, 6.2616,
7.1606

■ 76.7211, 100.1632,
111.2158

■ 1.3377, 3.0048,
3.4828

■ 100.0651,
128.3481, 142.2904

■ 0.2111, 1.1342,
1.3461

■ 127.7206,
161.3789, 178.6731

■ 0.0000, 0.0070,
0.0992

160.0528,

■ 0.0000, 0.0000,

199.6399, 220.7824

0.0000

197.4273,
243.5154, 269.0368

■ 19.1521, 28.1934,
31.6266

■ 19.1521, 28.1934,
31.6266

■ 18.3617, 27.8056,
30.7303

■ 20.2229, 28.7267,
32.5535

■ 17.8176, 27.5438,
29.8610

■ 21.5983, 29.4160,
33.5104

■ 17.4515, 27.3731,
29.0311

■ 23.3030, 30.2746,
34.4991

■ 25.3581, 31.3136,
35.5206

■ 27.7831, 32.5429,
36.5761

■ 30.5962, 33.9719,
37.6664

■ 33.8142, 35.6093,
38.7923

■ 37.4530, 37.4631,
39.9548

■ 41.5275, 39.5413,
41.1546

Harmonies

Analogous

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



19.9464, 28.1934, 20.6533



19.1521, 28.1934, 31.6266



20.2113, 28.1934, 45.6055

Triad

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



19.1521, 28.1934, 31.6266



31.5932, 28.1934, 56.3380



30.9766, 28.1934, 13.7803

Complementary

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



19.1521, 28.1934, 31.6266



16.6530, 10.0507, 5.7660

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.



34.6772, 28.1934, 19.4544



19.1521, 28.1934, 31.6266



35.0599, 28.1934, 43.5630

Square

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



19.1521, 28.1934, 31.6266



27.1194, 28.1934, 62.1113



36.2456, 28.1934, 29.7874



26.4772, 28.1934, 12.1991

Rectangle

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



19.1521, 28.1934, 31.6266



21.9022, 28.1934, 54.2840



36.2456, 28.1934, 29.7874



32.3716, 28.1934, 15.1775

Sweetspot

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



19.1529, 28.1945, 31.6273



49.1932, 57.9943, 65.2703



15.3334, 26.7632, 7.1546



10.5345, 12.5901, 14.2074



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.1529, 28.1945, 31.6273



32.3066, 49.5168, 54.1878



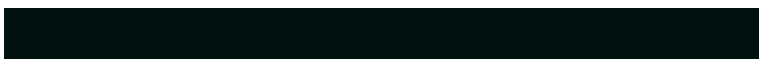
14.3174, 16.5317, 36.1557



7.2355, 7.9950, 8.8517



13.9483, 21.8657, 23.2422



0.3036, 0.4636, 0.5436

Inverse Universe

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



16.6530, 10.0507, 5.7660



27.6123, 14.9763, 5.2768



18.8410, 15.0087, 4.7009



7.1103, 7.1006, 7.5672



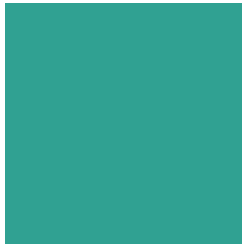
11.8589, 6.0996, 1.1818



0.2596, 0.1324, 0.0799

Previews

White Background



This preview shows how the XYZ color 19.1521, 28.1934, 31.6266 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 19.1521, 28.1934, 31.6266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

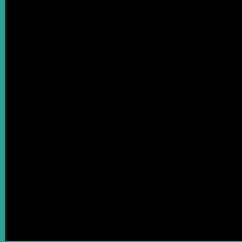
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1521, 28.1934, 31.6266

Background



This preview shows how black text looks on a background with the XYZ color 19.1521, 28.1934, 31.6266.

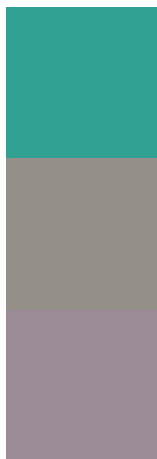


This preview shows how white text looks on a background with the XYZ color 19.1521, 28.1934,

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

19.1521, 28.1934, 31.6266

Protanopia

26.4791, 27.7184, 27.2471

Deuteranopia

28.3361, 27.6682, 33.1252



Tritanopia

21.2371, 28.0083, 42.3170

Trichromacy



Original Color

19.1521, 28.1934, 31.6266

Protanomaly

22.3221, 27.1509, 28.8751

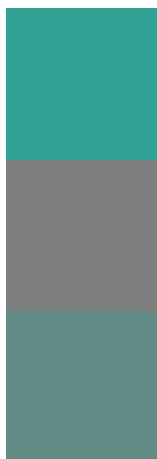
Deuteranomaly

23.0610, 26.7504, 32.3817

Tritanomaly

20.2908, 27.8677, 38.0278

Monochromacy



Original Color

19.1521, 28.1934, 31.6266

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.5033, 22.7554, 25.6073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1521, 28.1934, 31.6266 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(48, 161, 146)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 146)  
}
```

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(48, 161, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 146) }
```

Border

The CSS property to change the border of an element to XYZ 19.1521, 28.1934, 31.6266 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(48, 161, 146) }
```


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

```
.border{ border-color:rgb(48, 161, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 161, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 146);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1521, 28.1934, 31.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 161, 146) }
```

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

```
.background{ background-color: rgb(48, 161,  
146) }
```

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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