

Converting Colors

XYZ(19.6048, 27.2556, 40.3064)

Have a look what the booklet for
XYZ(19.6048, 27.2556, 40.3064)
contains.

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Color

**XYZ(19.5671, 27.1904,
40.2934)**

Conversions

Conversions Part 1

Format	Color
Hex	219DA6
RGB	33, 157, 166
RGB Percent	13%, 62%, 65%
CMY	0.8705, 0.3843, 0.3490
CMYK	0.80, 0.05, 0.00, 0.35
HSL	184°, 67%, 39%
HSV	184°, 80%, 65%
XYZ	19.5671, 27.1904, 40.2934
YIQ	120.9500, -76.7930, -23.4890

Conversions

Conversions Part 2

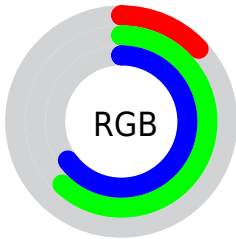
Format	Color
R_{YB}	33, 97, 166
Decimal	2203046
CIE _{Lab}	59.15, -28.69, -14.02
CIE _{LCh}	59, 31.932, 206.044
Yxy	27.1904, 0.2248, 0.3124
Android (android.graphics.Color)	4280393126 (0xFF219DA6)
YUV	120.9500, 22.2097, -77.1321
Hunter-Lab	52.1444, -24.2709, -9.3139

Details

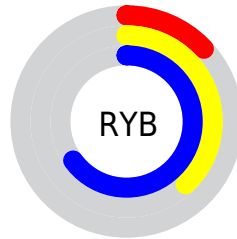
The XYZ color **19.5671, 27.1904, 40.2934** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8291, 9.8737, 2.4585**, and the grayscale version is **18.1075, 19.0505, 20.7460**.

A 20% lighter version of the original color is **42.1881, 55.1910, 76.8360**, and **8.0888, 11.3181, 17.6779** is the 20% darker color. If you saturate the color by 10%, you get **18.9720, 26.6033, 40.2120**, and if you desaturate by 10%, it is **20.4276, 27.9180, 40.3890**.

Distribution



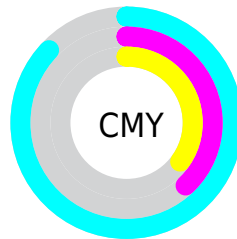
- Red (13%)
- Green (62%)
- Blue (65%)



- Red (13%)
- Yellow (38%)
- Blue (65%)



- Cyan (80%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (87%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5671, 27.1904, 40.2934 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 19.5671, 27.1904, 40.2934 by changing the saturation by 10% instead.

■ 19.5671, 27.1904,
40.2934

■ 19.5671, 27.1904,
40.2934

■ 242.4403,
288.5778, 362.9475

■ 12.1872, 17.7163,
27.4519

■ 42.1997, 55.1892,
76.8521

■ 6.9444, 10.7465,
17.6774

■ 58.1831, 74.4828,
101.4062

■ 3.4734, 5.8966,
10.5516

■ 77.7650, 97.8182,
130.7017

■ 1.4088, 2.7823,
5.6558

■ 101.3109,
125.5799, 165.1570

■ 0.2625, 1.0192,
2.5716

■ 129.1860,
158.1523, 205.1907

■ 0.0000, 0.0000,
0.8777

■ 161.7557,

■ 0.0000, 0.0000,

195.9199, 251.2213

0.0000

199.3853,
239.2669, 303.6674

■ 19.5671, 27.1904,
40.2934

■ 19.5671, 27.1904,
40.2934

■ 18.9720, 26.6033,
40.2120

■ 20.4276, 27.9180,
40.3890

■ 18.5659, 26.1189,
40.1399

■ 21.5851, 28.8007,
40.4984

■ 23.0692, 29.8545,
40.6235

■ 24.9054, 31.0923,
40.7657

■ 27.1167, 32.5262,
40.9259

■ 29.7241, 34.1669,
41.1052

■ 32.7471, 36.0244,
41.3044

■ 36.2038, 38.1082,
41.5244

■ 40.1113, 40.4270,
41.7660

Harmonies

Analogous

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



18.9443, 27.1904, 28.1210



19.5671, 27.1904, 40.2934



21.8054, 27.1904, 51.7257

Triad

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



19.5671, 27.1904, 40.2934



32.7156, 27.1904, 43.5920



26.3746, 27.1904, 12.6980

Complementary

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



19.5671, 27.1904, 40.2934



16.8291, 9.8737, 2.4585

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.



30.3520, 27.1904, 14.9084



19.5671, 27.1904, 40.2934



34.2427, 27.1904, 31.1418

Square

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



19.5671, 27.1904, 40.2934



29.3466, 27.1904, 53.9475



33.3366, 27.1904, 20.9978



22.6312, 27.1904, 13.9728

Rectangle

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



19.5671, 27.1904, 40.2934



24.0438, 27.1904, 56.3337



33.3366, 27.1904, 20.9978



27.7311, 27.1904, 13.0388

Sweetspot

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



19.5679, 27.1914, 40.2941



51.8050, 60.6714, 74.4556



14.6797, 27.7627, 6.7641



11.2350, 13.3512, 16.6370



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.5679, 27.1914, 40.2941



33.8785, 47.6088, 72.8791



11.2210, 10.4976, 37.5118



7.7035, 8.4438, 9.6422



14.4104, 20.2809, 31.1306



0.3631, 0.5184, 0.7616

Inverse Universe

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



22.3563, 11.6299, 32.9657



39.3753, 19.1977, 57.9241



21.4027, 19.0208, 3.9831



7.8197, 7.6577, 9.3676



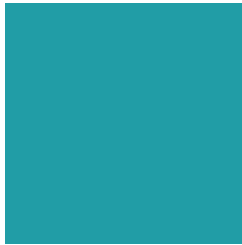
16.7743, 8.1184, 24.6867



0.4144, 0.2000, 0.6337

Previews

White Background



This preview shows how the XYZ color 19.5671, 27.1904, 40.2934 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 19.5671, 27.1904, 40.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

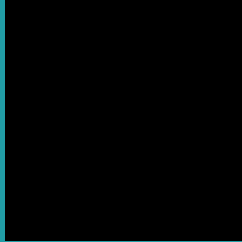
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5671, 27.1904, 40.2934

Background



This preview shows how black text looks on a background with the XYZ color 19.5671, 27.1904, 40.2934.

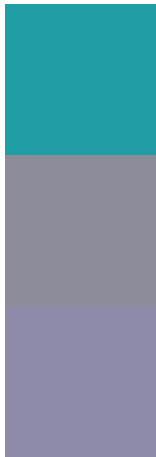


This preview shows how white text looks on a background with the XYZ color 19.5671, 27.1904,

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

19.5671, 27.1904, 40.2934

Protanopia

26.1097, 26.6982, 34.7875

Deuteranopia

27.3287, 26.7420, 41.7515



Tritanopia

19.7775, 27.0166, 41.7085

Trichromacy



Original Color

19.5671, 27.1904, 40.2934

Protanomaly

21.9037, 25.8277, 36.6317

Deuteranomaly

22.7663, 25.9402, 41.3432

Tritanomaly

19.6495, 26.9614, 41.2142

Monochromacy



Original Color

19.5671, 27.1904, 40.2934

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1603, 20.9802, 26.8120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5671, 27.1904, 40.2934 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(33, 157, 166)` looks like.

```
.text, #text, p{  
    color:rgb(33, 157, 166)  
}
```

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(33, 157, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 157, 166) }
```

Border

The CSS property to change the border of an element to XYZ 19.5671, 27.1904, 40.2934 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(33, 157, 166) }
```


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

```
.border{ border-color:rgb(33, 157, 166) }
```

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

Here you see how a box with a 4 pixel rgb(33, 157, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 157, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 157, 166);  
box-shadow:4px 4px 4px 4px rgb(33, 157,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5671, 27.1904, 40.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 157, 166) }
```

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

```
.background{ background-color: rgb(33, 157,  
166) }
```

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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