

Converting Colors

XYZ(17.0549, 23.2825, 30.1674)

Have a look what the booklet for
XYZ(17.0549, 23.2825, 30.1674)
contains.

XYZ(16.9631, 23.1942, 29.9684)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.9631, 23.1942,
29.9684)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9190
RGB	59, 145, 144
RGB Percent	23%, 57%, 56%
CMY	0.7686, 0.4314, 0.4353
CMYK	0.59, 0.00, 0.01, 0.43
HSL	179°, 42%, 40%
HSV	179°, 59%, 57%
XYZ	16.9631, 23.1942, 29.9684
YIQ	119.1720, -50.9350, -18.5430

Conversions

Conversions Part 2

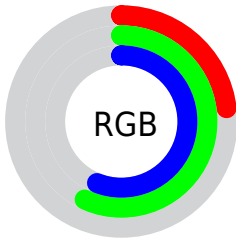
Format	Color
RYB	59, 102, 145
Decimal	3903888
CIELab	55.27, -25.70, -7.21
CIELCh	55, 26.690, 195.681
Yxy	23.1942, 0.2419, 0.3308
Android (android.graphics.Color)	4282093968 (0xFF3B9190)
YUV	119.1720, 12.2402, -52.7708
Hunter-Lab	48.1604, -21.4091, -3.1817

Details

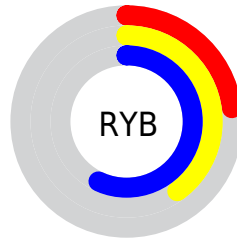
The XYZ color **16.9631, 23.1942, 29.9684** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0575, 9.4747, 5.3638**, and the grayscale version is **17.5638, 18.4785, 20.1230**.

A 20% lighter version of the original color is **37.8189, 48.6371, 60.8207**, and **6.0231, 8.8136, 11.9734** is the 20% darker color. If you saturate the color by 10%, you get **16.2075, 22.8067, 29.8662**, and if you desaturate by 10%, it is **17.9589, 23.7066, 30.0829**.

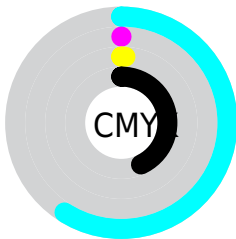
Distribution



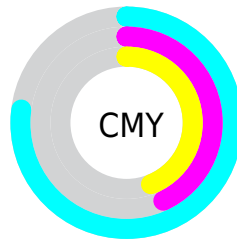
- Red (23%)
- Green (57%)
- Blue (56%)



- Red (23%)
- Yellow (40%)
- Blue (57%)



- Cyan (59%)
- Magenta (0%)
- Yellow (1%)
- Black (43%)



- Cyan (77%)
- Magenta (43%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9631, 23.1942, 29.9684 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 16.9631, 23.1942, 29.9684 by changing the saturation by 10% instead.

■ 16.9631, 23.1942,
29.9684

■ 16.9631, 23.1942,
29.9684

228.1200,
268.7209, 315.9598

■ 10.3033, 14.7370,
19.5628

■ 37.8064, 48.7120,
60.6726

■ 5.6643, 8.6350,
11.8967

■ 52.7207, 66.5414,
81.8083

■ 2.6808, 4.5039,
6.5517

■ 71.1172, 88.2636,
107.3577

■ 0.9873, 1.9592,
3.1092

■ 93.3612, 114.2630,
137.7394

■ 0.0000, 0.5836,
1.1507

■ 119.8181,
144.9240, 173.3719

■ 0.0000, 0.0000,
0.0000

150.8534,

180.6311, 214.6738

186.8322,
221.7686, 262.0636

■ 16.9631, 23.1942,
29.9684

■ 16.9631, 23.1942,
29.9684

■ 16.2075, 22.8067,
29.8662

■ 17.9589, 23.7066,
30.0829

■ 15.6696, 22.5309,
29.7739

■ 19.2107, 24.3504,
30.2090

■ 15.3265, 22.3555,
29.6907

■ 20.7357, 25.1351,
30.3480

■ 15.1209, 22.2510,
29.6140

■ 22.5486, 26.0682,
30.5006

■ 15.1075, 22.2442,
29.6088

■ 24.6633, 27.1569,
30.6674

■ 27.0929, 28.4078,
30.8490

■ 29.8494, 29.8274,
31.0460

■ 32.9445, 31.4214,
31.2590

■ 36.3891, 33.1957,
31.4884

Harmonies

Analogous

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



16.9335, 23.1942, 21.3992



16.9631, 23.1942, 29.9684



18.2697, 23.1942, 38.9525

Triad

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



16.9631, 23.1942, 29.9684



26.4172, 23.1942, 38.5847



23.4973, 23.1942, 12.4300

Complementary

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



16.9631, 23.1942, 29.9684



14.0575, 9.4747, 5.3638

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.



26.3085, 23.1942, 15.2158



16.9631, 23.1942, 29.9684



28.0947, 23.1942, 29.5471

Square

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



16.9631, 23.1942, 29.9684



23.6351, 23.1942, 44.6423



28.0532, 23.1942, 21.0629



20.5286, 23.1942, 12.4932

Rectangle

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



16.9631, 23.1942, 29.9684



19.7627, 23.1942, 43.4143



28.0532, 23.1942, 21.0629



24.4974, 23.1942, 13.0310

Sweetspot

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



16.9638, 23.1951, 29.9689



40.7097, 46.8525, 54.6471



12.8054, 21.5417, 7.6214



8.8519, 10.3176, 12.1401



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.9638, 23.1951, 29.9689



28.6782, 40.6645, 53.4299



11.8088, 12.7620, 28.6299



5.5576, 6.1153, 6.9021



12.9585, 19.0793, 25.3994



0.1245, 0.1826, 0.2458

Inverse Universe

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



14.0575, 9.4747, 5.3638



22.9857, 13.7749, 5.2251



17.0791, 15.5599, 6.2416



5.4113, 5.4250, 5.6638



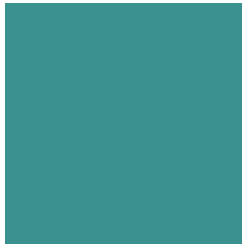
10.0244, 5.1668, 0.5141



0.0962, 0.0496, 0.0071

Previews

White Background



This preview shows how the XYZ color 16.9631, 23.1942, 29.9684 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 16.9631, 23.1942, 29.9684 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 16.9631, 23.1942, 29.9684

Background



This preview shows how black text looks on a background with the XYZ color 16.9631, 23.1942, 29.9684.



This preview shows how white text looks on a background with the XYZ color 16.9631, 23.1942,

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

16.9631, 23.1942, 29.9684

Protanopia

22.1623, 22.9684, 26.1869

Deuteranopia

23.3810, 22.8948, 31.2038



Tritanopia

17.8532, 23.1015, 34.5284

Trichromacy



Original Color

16.9631, 23.1942, 29.9684

Protanomaly

19.3355, 22.5075, 27.3700

Deuteranomaly

20.0982, 22.4080, 30.8696

Tritanomaly

17.5458, 23.2050, 32.8324

Monochromacy



Original Color

16.9631, 23.1942, 29.9684

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.5452, 19.5382, 23.3213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9631, 23.1942, 29.9684 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(59, 145, 144)` looks like.

```
.text, #text, p{  
    color:rgb(59, 145, 144)  
}
```

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(59, 145, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 145, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.9631, 23.1942, 29.9684 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(59, 145, 144) }
```


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

```
.border{ border-color:rgb(59, 145, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 145, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 145, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 145, 144);  
box-shadow:4px 4px 4px 4px rgb(59, 145,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9631, 23.1942, 29.9684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 145, 144) }
```

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

```
.background{ background-color: rgb(59, 145,  
144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor