

Converting Colors

XYZ(19.4932, 27.6357, 29.8980)

Have a look what the booklet for
XYZ(19.4932, 27.6357, 29.8980)
contains.

XYZ(19.4932, 27.6357, 29.8980)	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(19.4932, 27.6357,
29.8980)**

Conversions

Conversions Part 1

Format	Color
Hex	449E8E
RGB	68, 158, 142
RGB Percent	27%, 62%, 56%
CMY	0.7333, 0.3804, 0.4431
CMYK	0.57, 0.00, 0.10, 0.38
HSL	169°, 40%, 44%
HSV	169°, 57%, 62%
XYZ	19.4932, 27.6357, 29.8980
YIQ	129.2660, -48.5040, -24.0560

Conversions

Conversions Part 2

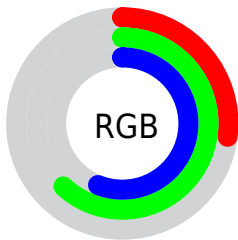
Format	Color
RYB	68, 117, 158
Decimal	4497038
CIELab	59.56, -30.82, 0.28
CIELCh	60, 30.821, 179.482
Yxy	27.6357, 0.2531, 0.3588
Android (android.graphics.Color)	4282687118 (0xFF449E8E)
YUV	129.2660, 6.2779, -53.7303
Hunter-Lab	52.5697, -25.8079, 3.0787

Details

The XYZ color **19.4932, 27.6357, 29.8980** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.7688, 12.0441, 9.7765**, and the grayscale version is **20.9510, 22.0421, 24.0038**.

A 20% lighter version of the original color is **42.0702, 55.8591, 60.7891**, and **7.0858, 11.0808, 11.8906** is the 20% darker color. If you saturate the color by 10%, you get **18.3282, 27.0599, 28.7568**, and if you desaturate by 10%, it is **20.9621, 28.3689, 31.0824**.

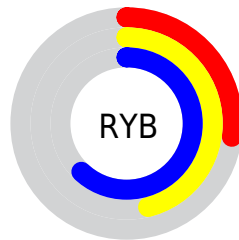
Distribution



Red (27%)

Green (62%)

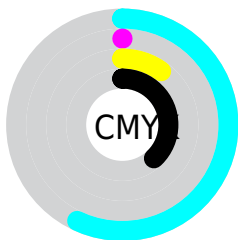
Blue (56%)



Red (27%)

Yellow (46%)

Blue (62%)

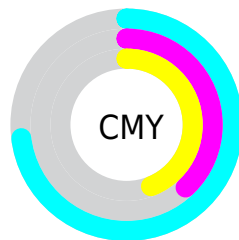


Cyan (57%)

Magenta (0%)

Yellow (10%)

Black (38%)



Cyan (73%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4932, 27.6357, 29.8980 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 19.4932, 27.6357, 29.8980 by changing the saturation by 10% instead.

■ 19.4932, 27.6357,
29.8980

■ 19.4932, 27.6357,
29.8980

242.0443,
290.7220, 315.6212

■ 12.1333, 18.0512,
19.5098

■ 42.0763, 55.9023,
60.5599

■ 6.9074, 10.9868,
11.8587

■ 58.0302, 75.3532,
81.6707

■ 3.4501, 6.0579,
6.5262

■ 77.5795, 98.8617,
107.1928

■ 1.3960, 2.8803,
3.0937

■ 101.0896,
126.8122, 137.5447

■ 0.2534, 1.0696,
1.1427

■ 128.9257,
159.5891, 173.1449

■ 0.0000, 0.0000,
0.0000

161.4533,

197.5768, 214.4121

199.0378,
241.1596, 261.7647

■ 19.4932, 27.6357,
29.8980

■ 19.4932, 27.6357,
29.8980

■ 18.3282, 27.0599,
28.7568

■ 20.9621, 28.3689,
31.0824

■ 17.4402, 26.6255,
27.6555

■ 22.7543, 29.2676,
32.3093

■ 16.8016, 26.3192,
26.5932

■ 24.8904, 30.3428,
33.5804

■ 16.3682, 26.1180,
25.5676

■ 27.3884, 31.6041,
34.8969

■ 16.2506, 26.0640,
25.2620

■ 30.2654, 33.0600,
36.2596

■ 33.5371, 34.7188,
37.6695

■ 37.2183, 36.5881,
39.1275

■ 41.3233, 38.6752,
40.6344

■ 45.8655, 40.9870,
42.1911

Harmonies

Analogous

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



20.3521, 27.6357, 20.4959



19.4932, 27.6357, 29.8980



20.2953, 27.6357, 41.8732

Triad

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



19.4932, 27.6357, 29.8980



30.1107, 27.6357, 52.7745



30.2387, 27.6357, 15.1869

Complementary

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



19.4932, 27.6357, 29.8980



17.7688, 12.0441, 9.7765

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.



33.3082, 27.6357, 20.7558



19.4932, 27.6357, 29.8980



33.2293, 27.6357, 42.2912

Square

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



19.4932, 27.6357, 29.8980



26.1996, 27.6357, 56.8983



34.4520, 27.6357, 30.2840



26.3343, 27.6357, 13.3881

Rectangle

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



19.4932, 27.6357, 29.8980



21.7137, 27.6357, 49.4220



34.4520, 27.6357, 30.2840



31.4159, 27.6357, 16.5996

Sweetspot

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



19.4940, 27.6368, 29.8986



49.5550, 57.2994, 63.2799



16.9721, 26.7802, 9.7438



10.9706, 12.8163, 14.1645



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.



19.4940, 27.6368, 29.8986



32.8571, 48.9295, 51.7402



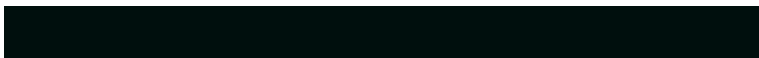
16.4725, 19.5310, 35.2508



6.7712, 7.4892, 8.2298



13.0276, 20.8790, 20.2999



0.2451, 0.3782, 0.4268

Inverse Universe

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



17.7688, 12.0441, 9.7765



29.4517, 17.8648, 11.8089



19.3735, 16.1445, 7.5643



6.6788, 6.6645, 7.1598



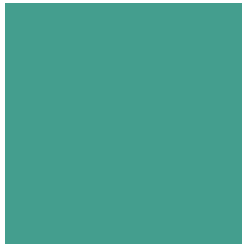
11.4728, 5.8937, 1.4748



0.2168, 0.1101, 0.0879

Previews

White Background



This preview shows how the XYZ color 19.4932, 27.6357, 29.8980 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 19.4932, 27.6357, 29.8980 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

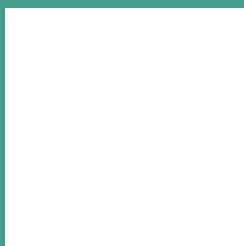
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4932, 27.6357, 29.8980

Background



This preview shows how black text looks on a background with the XYZ color 19.4932, 27.6357, 29.8980.

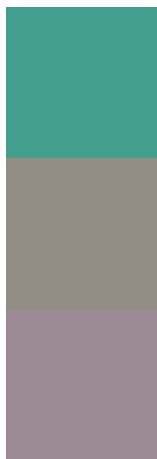


This preview shows how white text looks on a background with the XYZ color 19.4932, 27.6357,

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

19.4932, 27.6357, 29.8980

Protanopia

25.9393, 27.2425, 26.0815

Deuteranopia

27.7944, 27.2208, 30.9834



Tritanopia

21.5912, 27.4790, 40.7252

Trichromacy



Original Color

19.4932, 27.6357, 29.8980

Protanomaly

22.5051, 26.8089, 27.2811

Deuteranomaly

23.4046, 26.5061, 30.6707

Tritanomaly

20.7169, 27.3672, 36.5382

Monochromacy



Original Color

19.4932, 27.6357, 29.8980

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.7446, 23.6032, 26.0695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4932, 27.6357, 29.8980 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(68, 158, 142)` looks like.

```
.text, #text, p{  
    color:rgb(68, 158, 142)  
}
```

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(68, 158, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 158, 142) }
```

Border

The CSS property to change the border of an element to XYZ 19.4932, 27.6357, 29.8980 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(68, 158, 142) }
```


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

```
.border{ border-color:rgb(68, 158, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 158, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 158, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 158, 142);  
box-shadow:4px 4px 4px 4px rgb(68, 158,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4932, 27.6357, 29.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 158, 142) }
```

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

```
.background{ background-color: rgb(68, 158,  
142) }
```

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