

Converting Colors

XYZ(22.1026, 27.6349, 33.1806)

Have a look what the booklet for
XYZ(22.1026, 27.6349, 33.1806)
contains.

XYZ(22.0418, 27.6371, 33.0269)	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(22.0418, 27.6371,
33.0269)**

Conversions

Conversions Part 1

Format	Color
Hex	639996
RGB	99, 153, 150
RGB Percent	39%, 60%, 59%
CMY	0.6118, 0.4000, 0.4118
CMYK	0.35, 0.00, 0.02, 0.40
HSL	177°, 21%, 49%
HSV	177°, 35%, 60%
XYZ	22.0418, 27.6371, 33.0269
YIQ	136.5120, -31.2210, -12.3810

Conversions

Conversions Part 2

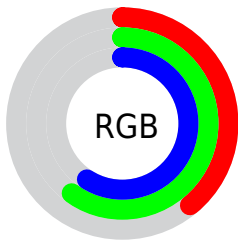
Format	Color
R _Y B	99, 127, 153
Decimal	6527382
CIE Lab	59.56, -18.50, -4.10
CIE LCh	60, 18.948, 192.510
Yxy	27.6371, 0.2665, 0.3342
Android (android.graphics.Color)	4284717462 (0xFF639996)
YUV	136.5120, 6.6496, -32.8980
Hunter-Lab	52.5710, -17.1583, -0.4483

Details

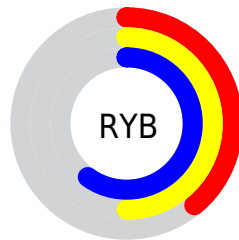
The XYZ color **22.0418, 27.6371, 33.0269** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.9979, 16.6560, 14.7323**, and the grayscale version is **23.5787, 24.8066, 27.0144**.

A 20% lighter version of the original color is **46.1608, 55.6607, 65.4374**, and **8.2224, 11.0320, 13.5004** is the 20% darker color. If you saturate the color by 10%, you get **20.4581, 26.8292, 32.5971**, and if you desaturate by 10%, it is **23.9444, 28.6107, 33.4754**.

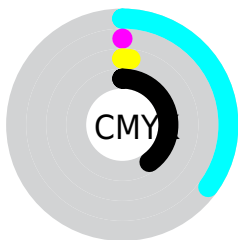
Distribution



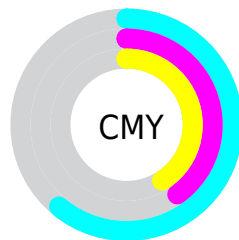
- Red (39%)
- Green (60%)
- Blue (59%)



- Red (39%)
- Yellow (50%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (40%)



- Cyan (61%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0418, 27.6371, 33.0269 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 22.0418, 27.6371, 33.0269 by changing the saturation by 10% instead.

■ 22.0418, 27.6371,
33.0269

■ 22.0418, 27.6371,
33.0269

255.3927,
290.7288, 330.4067

■ 14.0044, 18.0523,
21.8758

■ 46.2934, 55.9045,
65.5340

■ 8.2054, 10.9875,
13.5682

■ 63.2383, 75.3559,
87.7271

■ 4.2796, 6.0585,
7.6857

■ 83.8831, 98.8650,
114.4379

■ 1.8615, 2.8807,
3.8096

■ 108.5932,
126.8161, 146.0849

■ 0.5543, 1.0697,
1.5215

137.7338,
159.5936, 183.0868

■ 0.0000, 0.0000,
0.2339

171.6703,

■ 0.0000, 0.0000,

197.5820, 225.8620

0.0000

210.7682,
241.1655, 274.8291

■ 22.0418, 27.6371,
33.0269

■ 22.0418, 27.6371,
33.0269

■ 20.4581, 26.8292,
32.5971

■ 23.9444, 28.6107,
33.4754

■ 19.1728, 26.1745,
32.1833

■ 26.1799, 29.7551,
33.9415

■ 18.1670, 25.6638,
31.7851

■ 28.7645, 31.0795,
34.4265

■ 17.4187, 25.2857,
31.4016

■ 31.7127, 32.5912,
34.9311

■ 16.9025, 25.0272,
31.0315

■ 35.0380, 34.2973,
35.4561

■ 16.5848, 24.8711,
30.6733

■ 38.7534, 36.2044,
36.0018

■ 16.4639, 24.8123,
30.5069

■ 42.8711, 38.3189,
36.5691

■ 47.4029, 40.6468,
37.1584

■ 52.3601, 43.1939,
37.7702

Harmonies

Analogous

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



22.1336, 27.6371, 26.3160



22.0418, 27.6371, 33.0269



23.0315, 27.6371, 39.8651

Triad

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



22.0418, 27.6371, 33.0269



29.4896, 27.6371, 40.8459



27.6703, 27.6371, 19.2258

Complementary

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



22.0418, 27.6371, 33.0269



19.9979, 16.6560, 14.7323

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.



29.7949, 27.6371, 22.0631



22.0418, 27.6371, 33.0269



30.8881, 27.6371, 34.2131

Square

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



22.0418, 27.6371, 33.0269



27.2739, 27.6371, 44.8168



31.0031, 27.6371, 27.3365



25.2876, 27.6371, 19.0076

Rectangle

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



22.0418, 27.6371, 33.0269



24.2083, 27.6371, 43.3073



31.0031, 27.6371, 27.3365



28.4418, 27.6371, 19.8826

Sweetspot

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



22.0426, 27.6382, 33.0275



48.6933, 54.2131, 61.1328



19.1919, 26.5444, 15.9169



10.6298, 11.9082, 13.4754



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.0426, 27.6382, 33.0275



37.2848, 48.3768, 58.5625



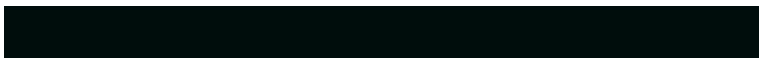
18.8257, 20.8125, 33.1632



6.3697, 7.0206, 7.8705



13.6106, 20.5077, 25.2340



0.2074, 0.3081, 0.3977

Inverse Universe

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



19.9979, 16.6560, 14.7323



33.0893, 25.8288, 21.0126



22.3987, 21.6916, 14.8112



6.2220, 6.2280, 6.5493



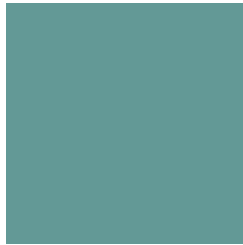
10.9001, 5.6143, 0.7330



0.1662, 0.0852, 0.0280

Previews

White Background



This preview shows how the XYZ color 22.0418, 27.6371, 33.0269 looks on a white background.

Color Contrast Check

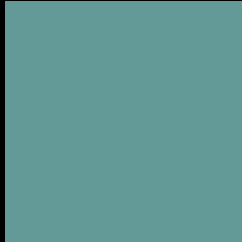
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0418, 27.6371, 33.0269 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

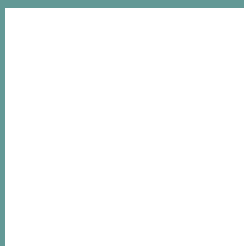
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0418, 27.6371, 33.0269

Background



This preview shows how black text looks on a background with the XYZ color 22.0418, 27.6371, 33.0269.

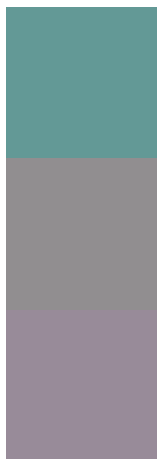


This preview shows how white text looks on a background with the XYZ color 22.0418, 27.6371,

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

22.0418, 27.6371, 33.0269

Protanopia

26.3841, 27.3794, 30.2797

Deuteranopia

27.9313, 27.4405, 33.9614



Tritanopia

23.1570, 27.6023, 38.7576

Trichromacy



Original Color

22.0418, 27.6371, 33.0269

Protanomaly

24.3693, 27.2223, 31.1642

Deuteranomaly

25.3136, 27.2001, 33.6217

Tritanomaly

22.7666, 27.6918, 36.4929

Monochromacy



Original Color

22.0418, 27.6371, 33.0269

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.8733, 25.8089, 29.3672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0418, 27.6371, 33.0269 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(99, 153, 150)` looks like.

```
.text, #text, p{  
    color:rgb(99, 153, 150)  
}
```

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(99, 153, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 153, 150) }
```

Border

The CSS property to change the border of an element to XYZ 22.0418, 27.6371, 33.0269 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(99, 153, 150) }
```


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

```
.border{ border-color:rgb(99, 153, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 153, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 153, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 153, 150);  
box-shadow:4px 4px 4px 4px rgb(99, 153,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0418, 27.6371, 33.0269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 153, 150) }
```

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

```
.background{ background-color: rgb(99, 153,  
150) }
```

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