

Converting Colors

XYZ(22.2016, 26.9337, 32.7603)

Have a look what the booklet for
XYZ(22.2016, 26.9337, 32.7603)
contains.

XYZ(22.2371, 27.0180, 32.8971)	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(22.2371, 27.0180,
32.8971)**

Conversions

Conversions Part 1

Format	Color
Hex	699696
RGB	105, 150, 150
RGB Percent	41%, 59%, 59%
CMY	0.5882, 0.4118, 0.4118
CMYK	0.30, 0.00, 0.00, 0.41
HSL	180°, 18%, 50%
HSV	180°, 30%, 59%
XYZ	22.2371, 27.0180, 32.8971
YIQ	136.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

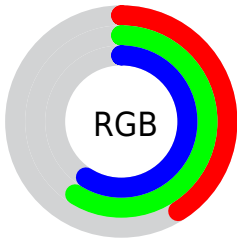
Format	Color
R_{YB}	105, 128, 150
Decimal	6919830
CIE _{Lab}	58.99, -15.14, -4.91
CIE _{LCh}	59, 15.919, 197.959
Yxy	27.0180, 0.2707, 0.3289
Android (android.graphics.Color)	4285109910 (0xFF699696)
YUV	136.5450, 6.6333, -27.6650
Hunter-Lab	51.9788, -14.5988, -1.1391

Details

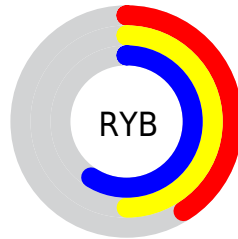
The XYZ color **22.2371, 27.0180, 32.8971** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.1801, 17.6079, 15.7008**, and the grayscale version is **23.5900, 24.8185, 27.0274**.

A 20% lighter version of the original color is **46.5925, 54.8145, 65.2513**, and **8.2895, 10.6368, 13.4206** is the 20% darker color. If you saturate the color by 10%, you get **20.6285, 26.1894, 32.8221**, and if you desaturate by 10%, it is **24.1581, 28.0090, 32.9879**.

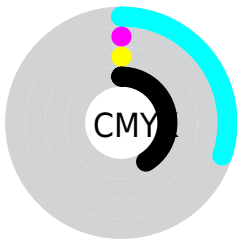
Distribution



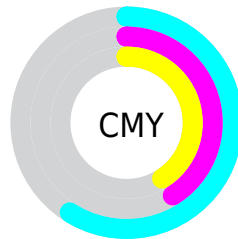
- Red (41%)
- Green (59%)
- Blue (59%)



- Red (41%)
- Yellow (50%)
- Blue (59%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (41%)



- Cyan (59%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2371, 27.0180, 32.8971 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 22.2371, 27.0180, 32.8971 by changing the saturation by 10% instead.

■ 22.2371, 27.0180,
32.8971

■ 22.2371, 27.0180,
32.8971

256.3911,
287.7443, 329.8036

■ 14.1488, 17.5867,
21.7772

■ 46.6135, 54.9128,
65.3290

■ 8.3066, 10.6537,
13.4965

■ 63.6323, 74.1450,
87.4780

■ 4.3452, 5.8345,
7.6366

■ 84.3587, 97.4131,
114.1405

■ 1.8992, 2.7447,
3.7789

■ 109.1579,
125.1014, 145.7350

■ 0.5764, 0.9999,
1.5048

138.3955,
157.5942, 182.6800

■ 0.0000, 0.0000,
0.2215

172.4366,

■ 0.0000, 0.0000,

195.2761, 225.3941

0.0000

211.6467,
238.5313, 274.2958

■ 22.2371, 27.0180,
32.8971

■ 22.2371, 27.0180,
32.8971

■ 20.6285, 26.1894,
32.8221

■ 24.1581, 28.0090,
32.9879

■ 19.3136, 25.5116,
32.7603

■ 26.4042, 29.1669,
33.0933

■ 18.2753, 24.9763,
32.7114

■ 28.9904, 30.5001,
33.2146

■ 17.4939, 24.5735,
32.6746

■ 31.9299, 32.0155,
33.3524

■ 16.9471, 24.2916,
32.6487

■ 35.2355, 33.7196,
33.5074

■ 16.6086, 24.1171,
32.6326

■ 38.9190, 35.6185,
33.6801

■ 16.4115, 24.0155,
32.6231

■ 42.9919, 37.7181,
33.8710

■ 16.4115, 24.0155,
32.6231

■ 47.4652, 40.0242,
34.0806

■ 52.3493, 42.5420,
34.3094

Harmonies

Analogous

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



22.1451, 27.0180, 27.2090



22.2371, 27.0180, 32.8971



23.2220, 27.0180, 38.2479

Triad

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



22.2371, 27.0180, 32.8971



28.6018, 27.0180, 37.3108



26.4794, 27.0180, 20.0196

Complementary

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



22.2371, 27.0180, 32.8971



20.1801, 17.6079, 15.7008

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.



28.3052, 27.0180, 22.0638



22.2371, 27.0180, 32.8971



29.5719, 27.0180, 31.7434

Square

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



22.2371, 27.0180, 32.8971



26.8675, 27.0180, 41.0122



29.4607, 27.0180, 26.1933



24.5276, 27.0180, 20.2450

Rectangle

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



22.2371, 27.0180, 32.8971



24.2822, 27.0180, 40.6827



29.4607, 27.0180, 26.1933



27.1300, 27.0180, 20.4521

Sweetspot

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



22.2379, 27.0191, 32.8977



46.9479, 51.6525, 58.4163



19.3712, 25.8826, 17.3401



10.2784, 11.3820, 12.9399



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.2379, 27.0191, 32.8977



37.2789, 46.6680, 57.9624



19.0834, 20.7098, 31.8470



5.9641, 6.5622, 7.4220



13.6108, 19.9171, 27.0557



0.1666, 0.2438, 0.3312

Inverse Universe

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



20.1801, 17.6079, 15.7008



33.0488, 27.3223, 22.6123



22.6856, 22.6192, 16.5355



5.8008, 5.8154, 6.0573



10.4317, 5.3777, 0.4884



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 22.2371, 27.0180, 32.8971 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 22.2371, 27.0180, 32.8971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

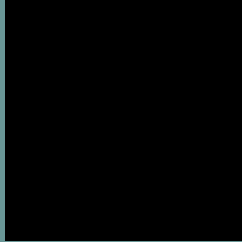
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2371, 27.0180, 32.8971

Background



This preview shows how black text looks on a background with the XYZ color 22.2371, 27.0180, 32.8971.

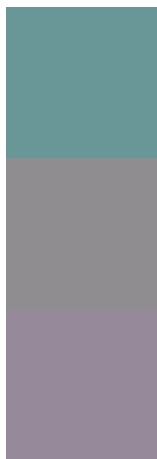


This preview shows how white text looks on a background with the XYZ color 22.2371, 27.0180,

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

22.2371, 27.0180, 32.8971

Protanopia

25.8866, 26.9030, 30.2140

Deuteranopia

27.2731, 26.6753, 33.8484



Tritanopia

22.9985, 26.8437, 37.2269

Trichromacy



Original Color

22.2371, 27.0180, 32.8971

Protanomaly

24.2148, 26.6890, 31.0694

Deuteranomaly

25.1720, 26.6813, 33.5291

Tritanomaly

22.6921, 26.9594, 35.4602

Monochromacy



Original Color

22.2371, 27.0180, 32.8971

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.0129, 25.6590, 29.3310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2371, 27.0180, 32.8971 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(105, 150, 150)` looks like.

```
.text, #text, p{  
    color:rgb(105, 150, 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(105, 150, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 150, 150) }
```

Border

The CSS property to change the border of an element to XYZ 22.2371, 27.0180, 32.8971 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(105, 150, 150) }
```


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

```
.border{ border-color:rgb(105, 150, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 150, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 150, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 150, 150);  
box-shadow:4px 4px 4px 4px rgb(105, 150,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2371, 27.0180, 32.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 150, 150) }
```

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

```
.background{ background-color: rgb(105,  
150, 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