

Converting Colors

XYZ(22.4216, 27.6435, 33.4404)

Have a look what the booklet for
XYZ(22.4216, 27.6435, 33.4404)
contains.

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Color

**XYZ(22.4077, 27.5744,
33.4195)**

Conversions

Conversions Part 1

Format	Color
Hex	679897
RGB	103, 152, 151
RGB Percent	40%, 60%, 59%
CMY	0.5961, 0.4039, 0.4078
CMYK	0.32, 0.00, 0.01, 0.40
HSL	179°, 19%, 50%
HSV	179°, 32%, 60%
XYZ	22.4077, 27.5744, 33.4195
YIQ	137.2350, -28.8830, -10.6990

Conversions

Conversions Part 2

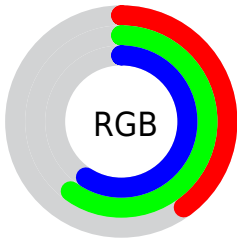
Format	Color
R_{YB}	103, 128, 152
Decimal	6789271
CIE _{Lab}	59.50, -16.56, -4.73
CIE _{LCh}	60, 17.224, 195.951
Yxy	27.5744, 0.2687, 0.3306
Android (android.graphics.Color)	4284979351 (0xFF679897)
YUV	137.2350, 6.7861, -30.0241
Hunter-Lab	52.5113, -15.7251, -0.9757

Details

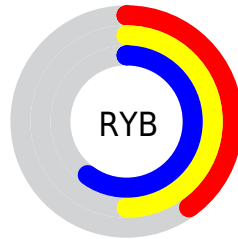
The XYZ color **22.4077, 27.5744, 33.4195** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.2988, 17.3763, 15.3820**, and the grayscale version is **23.8504, 25.0924, 27.3257**.

A 20% lighter version of the original color is **46.8011, 55.6183, 66.0263**, and **8.3701, 10.9575, 13.7305** is the 20% darker color. If you saturate the color by 10%, you get **20.7953, 26.7468, 33.2130**, and if you desaturate by 10%, it is **24.3388, 28.5677, 33.6424**.

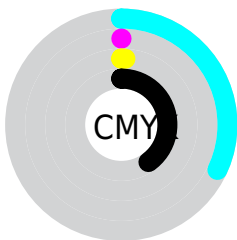
Distribution



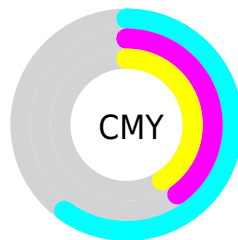
- Red (40%)
- Green (60%)
- Blue (59%)



- Red (40%)
- Yellow (50%)
- Blue (60%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



- Cyan (60%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4077, 27.5744, 33.4195 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 22.4077, 27.5744, 33.4195 by changing the saturation by 10% instead.

■ 22.4077, 27.5744,
33.4195

■ 22.4077, 27.5744,
33.4195

257.2606,
290.4276, 332.2256

■ 14.2751, 18.0051,
22.1743

■ 46.8928, 55.8042,
66.1535

■ 8.3952, 10.9536,
13.7855

■ 63.9759, 75.2335,
88.4793

■ 4.4028, 6.0357,
7.8346

■ 84.7733, 98.7183,
115.3357

■ 1.9324, 2.8668,
3.9030

■ 109.6502,
126.6429, 147.1412

■ 0.5956, 1.0626,
1.5723

138.9720,
159.3917, 184.3144

■ 0.0000, 0.0000,
0.2709

173.1041,

■ 0.0000, 0.0000,

197.3492, 227.2739

0.0000

212.4119,
240.8997, 276.4381

■ 22.4077, 27.5744,
33.4195

■ 22.4077, 27.5744,
33.4195

■ 20.7953, 26.7468,
33.2130

■ 24.3388, 28.5677,
33.6424

■ 19.4819, 26.0726,
33.0203

■ 26.6020, 29.7315,
33.8806

■ 18.4496, 25.5433,
32.8411

■ 29.2129, 31.0745,
34.1354

■ 17.6773, 25.1481,
32.6744

■ 32.1856, 32.6040,
34.4075

■ 17.1413, 24.8747,
32.5191

■ 35.5331, 34.3268,
34.6975

■ 16.8133, 24.7084,
32.3739

■ 39.2680, 36.2492,
35.0060

■ 16.6451, 24.6240,
32.2655

■ 43.4022, 38.3775,
35.3335

■ 47.9471, 40.7175,
35.6806

■ 52.9137, 43.2749,
36.0477

Harmonies

Analogous

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



22.3755, 27.5744, 27.2227



22.4077, 27.5744, 33.4195



23.4205, 27.5744, 39.4300

Triad

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



22.4077, 27.5744, 33.4195



29.3148, 27.5744, 39.0956



27.2318, 27.5744, 19.8831

Complementary

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



22.4077, 27.5744, 33.4195



20.2988, 17.3763, 15.3820

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.



29.2097, 27.5744, 22.2468



22.4077, 27.5744, 33.4195



30.4563, 27.5744, 33.0108

Square

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



22.4077, 27.5744, 33.4195



27.3689, 27.5744, 43.0023



30.4168, 27.5744, 26.8663



25.0816, 27.5744, 19.9610

Rectangle

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



22.4077, 27.5744, 33.4195



24.5491, 27.5744, 42.2750



30.4168, 27.5744, 26.8663



27.9413, 27.5744, 20.4027

Sweetspot

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



22.4085, 27.5755, 33.4201



47.8435, 52.9348, 59.8897



19.4600, 26.4180, 16.9062



10.7454, 11.9651, 13.5992



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.



22.4085, 27.5755, 33.4201



37.3593, 47.5452, 58.7101



19.1297, 20.8872, 32.7304



6.3791, 7.0244, 7.9199



13.9575, 20.6465, 27.0606



0.2101, 0.3093, 0.4123

Inverse Universe

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



20.2988, 17.3763, 15.3820



33.0174, 26.5501, 21.5829



22.8419, 22.5433, 15.9801



6.2137, 6.2246, 6.5052



10.8731, 5.6035, 0.5908



0.1637, 0.0842, 0.0151

Previews

White Background



This preview shows how the XYZ color 22.4077, 27.5744, 33.4195 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 22.4077, 27.5744, 33.4195 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

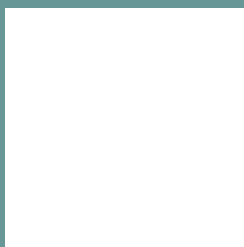
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4077, 27.5744, 33.4195

Background



This preview shows how black text looks on a background with the XYZ color 22.4077, 27.5744, 33.4195.



This preview shows how white text looks on a background with the XYZ color 22.4077, 27.5744,

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

22.4077, 27.5744, 33.4195

Protanopia

26.4609, 27.4101, 30.6841

Deuteranopia

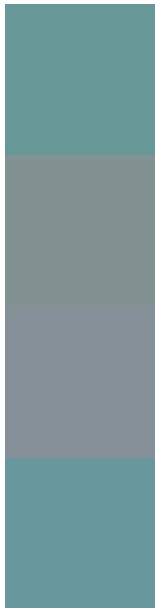
28.0142, 27.4737, 34.3983



Tritanopia

23.3718, 27.4855, 38.2558

Trichromacy



Original Color

22.4077, 27.5744, 33.4195

Protanomaly

24.7513, 27.4102, 31.5899

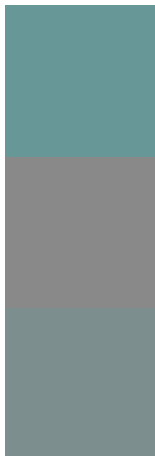
Deuteranomaly

25.5545, 27.3148, 34.0624

Tritanomaly

23.0639, 27.6051, 36.4605

Monochromacy



Original Color

22.4077, 27.5744, 33.4195

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 22.4077, 27.5744, 33.4195 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(103, 152, 151)` looks like.

```
.text, #text, p{  
    color:rgb(103, 152, 151)  
}
```

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(103, 152, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 152, 151) }
```

Border

The CSS property to change the border of an element to XYZ 22.4077, 27.5744, 33.4195 is called "border". The border property can be set on classes, ids or directly on the HTML element.

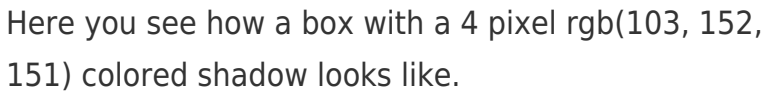
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 152, 151) }
```


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

```
.border{ border-color:rgb(103, 152, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 152, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 152, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 152, 151);  
box-shadow:4px 4px 4px 4px rgb(103, 152,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4077, 27.5744, 33.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 152, 151) }
```

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

```
.background{ background-color: rgb(103,  
152, 151) }
```

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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