

Converting Colors

XYZ(23.7389, 28.1233, 33.5767)

Have a look what the booklet for
XYZ(23.7389, 28.1233, 33.5767)
contains.

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Color

**XYZ(23.5920, 27.9450,
33.4287)**

Conversions

Conversions Part 1

Format	Color
Hex	729797
RGB	114, 151, 151
RGB Percent	45%, 59%, 59%
CMY	0.5529, 0.4078, 0.4078
CMYK	0.25, 0.00, 0.00, 0.41
HSL	180°, 15%, 52%
HSV	180°, 25%, 59%
XYZ	23.5920, 27.9450, 33.4287
YIQ	139.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

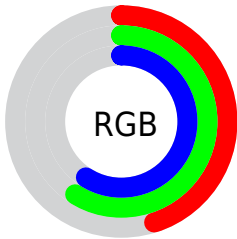
Format	Color
RYB	114, 133, 151
Decimal	7509911
CIELab	59.84, -12.66, -4.17
CIElCh	60, 13.331, 198.206
Yxy	27.9450, 0.2777, 0.3289
Android (android.graphics.Color)	4285699991 (0xFF729797)
YUV	139.9370, 5.4541, -22.7467
Hunter-Lab	52.8630, -12.8484, -0.4888

Details

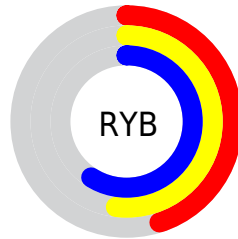
The XYZ color **23.5920, 27.9450, 33.4287** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.8181, 19.8297, 18.5984**, and the grayscale version is **24.8891, 26.1853, 28.5157**.

A 20% lighter version of the original color is **48.7871, 56.2859, 66.0505**, and **8.9718, 11.1244, 13.7310** is the 20% darker color. If you saturate the color by 10%, you get **21.7879, 27.0157, 33.3446**, and if you desaturate by 10%, it is **25.7220, 29.0438, 33.5293**.

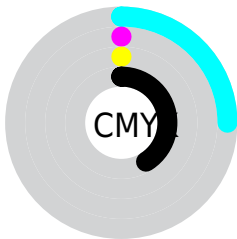
Distribution



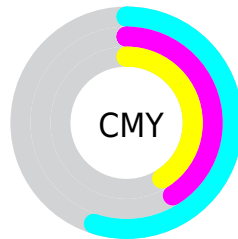
- Red (45%)
- Green (59%)
- Blue (59%)



- Red (45%)
- Yellow (52%)
- Blue (59%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (41%)



- Cyan (55%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5920, 27.9450, 33.4287 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 23.5920, 27.9450, 33.4287 by changing the saturation by 10% instead.

■ 23.5920, 27.9450,
33.4287

■ 23.5920, 27.9450,
33.4287

263.2302,
292.2040, 332.2681

■ 15.1543, 18.2842,
22.1813

■ 48.8231, 56.3966,
66.1680

■ 9.0148, 11.1542,
13.7906

■ 66.3473, 75.9562,
88.4969

■ 4.8080, 6.1707,
7.8381

■ 87.6310, 99.5842,
115.3567

■ 2.1687, 2.9491,
3.9052

■ 113.0396,
127.6650, 147.1659

■ 0.7261, 1.1052,
1.5735

142.9385,
160.5830, 184.3431

■ 0.0000, 0.0000,
0.2718

177.6929,

■ 0.0000, 0.0000,

198.7226, 227.3069

0.0000

217.6684,
242.4681, 276.4757

■ 23.5920, 27.9450,
33.4287

■ 23.5920, 27.9450,
33.4287

■ 21.7879, 27.0157,
33.3446

■ 25.7220, 29.0438,
33.5293

■ 20.2914, 26.2442,
33.2742

■ 28.1903, 30.3162,
33.6451

■ 19.0860, 25.6228,
33.2175

■ 31.0115, 31.7706,
33.7775

■ 18.1529, 25.1418,
33.1735

■ 34.1989, 33.4137,
33.9269

■ 17.4707, 24.7901,
33.1413

■ 37.7648, 35.2520,
34.0941

■ 17.0153, 24.5554,
33.1197

■ 41.7212, 37.2916,
34.2796

■ 16.7566, 24.4220,
33.1072

■ 46.0793, 39.5383,
34.4838

■ 16.6527, 24.3684,
33.1022

■ 50.8500, 41.9977,
34.7074

■ 56.0439, 44.6752,
34.9508

Harmonies

Analogous

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



23.5052, 27.9450, 28.5645



23.5920, 27.9450, 33.4287



24.4535, 27.9450, 37.9067

Triad

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



23.5920, 27.9450, 33.4287



29.0580, 27.9450, 37.0608



27.2306, 27.9450, 22.1962

Complementary

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



23.5920, 27.9450, 33.4287



21.8181, 19.8297, 18.5984

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.



28.7860, 27.9450, 24.0029



23.5920, 27.9450, 33.4287



29.8706, 27.9450, 32.3695

Square

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



23.5920, 27.9450, 33.4287



27.5892, 27.9450, 40.1520



29.7689, 27.9450, 27.6113



25.5585, 27.9450, 22.4152

Rectangle

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



23.5920, 27.9450, 33.4287



25.3726, 27.9450, 39.9127



29.7689, 27.9450, 27.6113



27.7857, 27.9450, 22.5782

Sweetspot

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



23.5928, 27.9461, 33.4293



49.2573, 53.6584, 60.1942



21.1247, 26.9682, 20.0122



11.1415, 12.1680, 13.6788



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.



23.5928, 27.9461, 33.4293



40.5382, 49.1635, 59.7849



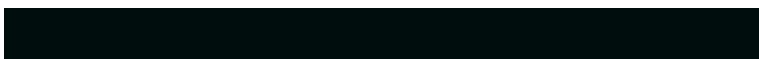
20.9297, 22.6198, 32.5424



6.3846, 7.0266, 7.9487



14.1662, 20.7299, 28.1597



0.2118, 0.3099, 0.4210

Inverse Universe

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



21.8181, 19.8297, 18.5984



36.8383, 32.2426, 28.8658



24.0362, 24.2661, 19.3372



6.2088, 6.2227, 6.4798



10.8574, 5.5972, 0.5083



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 23.5920, 27.9450, 33.4287 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 23.5920, 27.9450, 33.4287 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

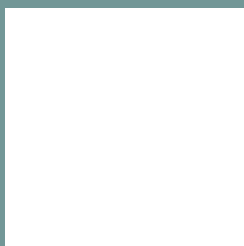
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5920, 27.9450, 33.4287

Background



This preview shows how black text looks on a background with the XYZ color 23.5920, 27.9450, 33.4287.

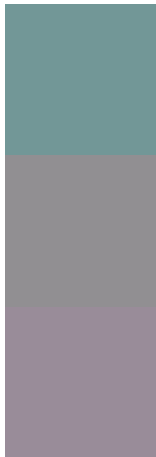


This preview shows how white text looks on a background with the XYZ color 23.5920, 27.9450,

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

23.5920, 27.9450, 33.4287

Protanopia

26.6878, 27.7400, 31.1419

Deuteranopia

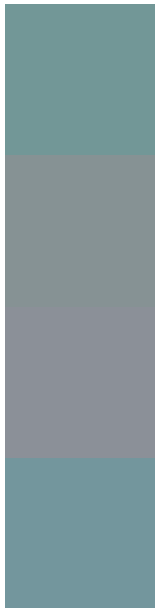
28.2647, 27.8284, 34.0187



Tritanopia

24.3829, 27.7811, 37.7954

Trichromacy



Original Color

23.5920, 27.9450, 33.4287

Protanomaly

25.4557, 27.7642, 32.0343

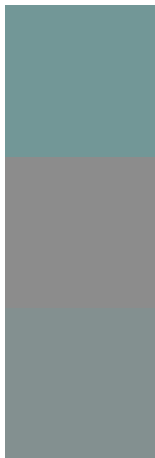
Deuteranomaly

26.2882, 27.7025, 33.6673

Tritanomaly

24.0624, 27.8919, 36.0137

Monochromacy



Original Color

23.5920, 27.9450, 33.4287

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.3674, 26.7854, 30.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5920, 27.9450, 33.4287 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(114, 151, 151)` looks like.

```
.text, #text, p{  
    color:rgb(114, 151, 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(114, 151, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 151, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.5920, 27.9450, 33.4287 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(114, 151, 151) }
```


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

```
.border{ border-color:rgb(114, 151, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 151, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 151, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 151, 151);  
box-shadow:4px 4px 4px 4px rgb(114, 151,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5920, 27.9450, 33.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 151, 151) }
```

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

```
.background{ background-color: rgb(114,  
151, 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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