

Converting Colors

XYZ(23.5192, 23.6248, 33.4575)

Have a look what the booklet for
XYZ(23.5192, 23.6248, 33.4575)
contains.

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Color

**XYZ(23.5168, 23.7080,
33.4736)**

Conversions

Conversions Part 1

Format	Color
Hex	848499
RGB	132, 132, 153
RGB Percent	52%, 52%, 60%
CMY	0.4823, 0.4823, 0.4000
CMYK	0.14, 0.14, 0.00, 0.40
HSL	240°, 9%, 56%
HSV	240°, 14%, 60%
XYZ	23.5168, 23.7080, 33.4736
YIQ	134.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

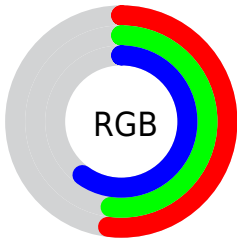
Format	Color
R_{YB}	132, 132, 153
Decimal	8684697
CIE _{Lab}	55.79, 4.44, -11.20
CIE _{LCh}	56, 12.046, 291.609
Yxy	23.7080, 0.2914, 0.2938
Android (android.graphics.Color)	4286874777 (0xFF848499)
YUV	134.3940, 9.1728, -2.0995
Hunter-Lab	48.6909, 1.0032, -6.6766

Details

The XYZ color **23.5168, 23.7080, 33.4736** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.6931, 31.2207, 26.3443**, and the grayscale version is **22.7747, 23.9607, 26.0932**.

A 20% lighter version of the original color is **48.6190, 49.5172, 66.0268**, and **8.9712, 8.9397, 13.8231** is the 20% darker color. If you saturate the color by 10%, you get **19.3728, 18.7149, 32.7286**, and if you desaturate by 10%, it is **28.3174, 29.4925, 34.3375**.

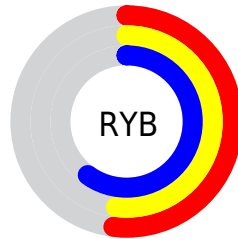
Distribution



Red (52%)

Green (52%)

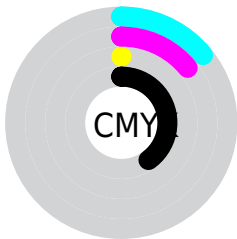
Blue (60%)



Red (52%)

Yellow (52%)

Blue (60%)

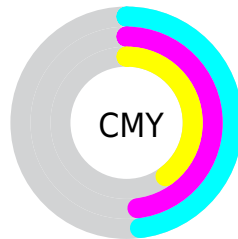


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (40%)



Cyan (48%)

Magenta (48%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5168, 23.7080, 33.4736 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 23.5168, 23.7080, 33.4736 by changing the saturation by 10% instead.

■ 23.5168, 23.7080,
33.4736

■ 23.5168, 23.7080,
33.4736

262.8544,
271.3409, 332.4757

■ 15.0984, 15.1172,
22.2154

■ 48.7010, 49.5533,
66.2387

■ 8.9752, 8.9017,
13.8154

■ 66.1974, 67.5765,
88.5828

■ 4.7820, 4.6771,
7.8551

■ 87.4506, 89.5126,
115.4592

■ 2.1534, 2.0591,
3.9159

112.8258,
115.7461, 147.2865

■ 0.7180, 0.6415,
1.5793

142.6884,
146.6612, 184.4833

■ 0.0000, 0.0000,
0.2760

177.4038,

■ 0.0000, 0.0000,

182.6425, 227.4680

0.0000

217.3374,
224.0742, 276.6593

■ 23.5168, 23.7080,
33.4736

■ 23.5168, 23.7080,
33.4736

■ 19.3728, 18.7149,
32.7286

■ 28.3174, 29.4925,
34.3375

■ 15.8548, 14.4761,
32.0959

■ 33.7992, 36.0975,
35.3235

■ 12.9332, 10.9557,
31.5703

■ 39.9880, 43.5545,
36.4366

■ 10.5748, 8.1140,
31.1461

■ 46.9078, 51.8921,
37.6812

■ 8.7434, 5.9073,
30.8167

■ 54.5813, 61.1380,
39.0614

■ 7.3986, 4.2868,
30.5748

■ 63.0303, 71.3182,
40.5811

■ 6.4940, 3.1968,
30.4121

■ 72.2758, 82.4581,
42.2440

■ 5.9743, 2.5705,
30.3186

■ 82.3378, 94.5818,
44.0538

■ 5.7499, 2.3002,
30.2783

■ 82.7498, 95.0799,
44.1282

Harmonies

Analogous

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



22.1519, 23.7080, 34.0104



23.5168, 23.7080, 33.4736



24.6598, 23.7080, 30.7827

Triad

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



23.5168, 23.7080, 33.4736



24.2077, 23.7080, 20.3462



20.0294, 23.7080, 24.7298

Complementary

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



23.5168, 23.7080, 33.4736



28.6931, 31.2207, 26.3443

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.



20.5335, 23.7080, 21.4110



23.5168, 23.7080, 33.4736



22.9199, 23.7080, 19.0531

Square

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



23.5168, 23.7080, 33.4736



25.0698, 23.7080, 23.1368



21.5785, 23.7080, 19.4222



20.1747, 23.7080, 28.6901

Rectangle

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



23.5168, 23.7080, 33.4736



25.1242, 23.7080, 28.2654



21.5785, 23.7080, 19.4222



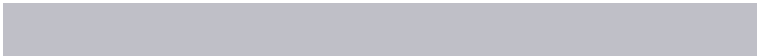
20.1278, 23.7080, 23.5086

Sweetspot

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



23.5175, 23.7090, 33.4741



50.3877, 52.4254, 61.4354



26.6283, 29.9768, 34.3686



10.9843, 11.4051, 13.5400



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.



23.5175, 23.7090, 33.4741



40.0826, 40.0087, 59.5818



25.1826, 24.5671, 33.5520



5.8845, 6.0264, 7.7820



4.7522, 1.9010, 25.0242



0.0711, 0.0284, 0.3741

Inverse Universe

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



25.5536, 24.9414, 25.2983



44.3416, 42.5866, 42.4801



26.8583, 30.2751, 26.2585



6.2088, 6.2227, 6.4798



10.8574, 5.5972, 0.5084



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 23.5168, 23.7080, 33.4736 looks on a white background.

Color Contrast Check

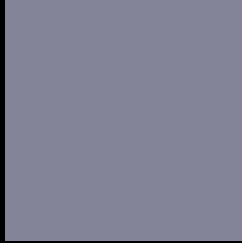
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5168, 23.7080, 33.4736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

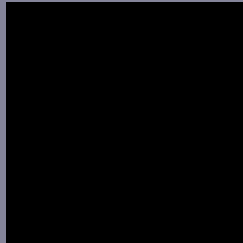
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5168, 23.7080, 33.4736

Background



This preview shows how black text looks on a background with the XYZ color 23.5168, 23.7080, 33.4736.



This preview shows how white text looks on a background with the XYZ color 23.5168, 23.7080,

33.4736.

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

23.5168, 23.7080, 33.4736

Protanopia

23.3432, 23.8208, 33.5045

Deuteranopia

24.0489, 23.5835, 33.4216



Tritanopia

22.7651, 23.8096, 29.7814

Trichromacy



Original Color

23.5168, 23.7080, 33.4736

Protanomaly

23.4974, 23.9003, 33.5118

Deuteranomaly

23.8577, 23.6834, 33.4509

Tritanomaly

23.0141, 23.7069, 30.9667

Monochromacy



Original Color

23.5168, 23.7080, 33.4736

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8681, 23.6847, 28.5656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5168, 23.7080, 33.4736 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(132, 132, 153)` looks like.

```
.text, #text, p{  
    color:rgb(132, 132, 153)  
}
```

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(132, 132, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 132, 153) }
```

Border

The CSS property to change the border of an element to XYZ 23.5168, 23.7080, 33.4736 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(132, 132, 153) }
```


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

```
.border{ border-color:rgb(132, 132, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 132, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 132, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 132, 153); box-shadow:4px 4px 4px 4px rgb(132, 132, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5168, 23.7080, 33.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 132, 153) }
```

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

```
.background{ background-color: rgb(132,  
132, 153) }
```

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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