

Converting Colors

XYZ(19.3350, 23.7851, 38.2223)

Have a look what the booklet for
XYZ(19.3350, 23.7851, 38.2223)
contains.

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Color

**XYZ(19.3350, 23.7851,
38.2223)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8FA3
RGB	75, 143, 163
RGB Percent	29%, 56%, 64%
CMY	0.7059, 0.4392, 0.3608
CMYK	0.54, 0.12, 0.00, 0.36
HSL	194°, 37%, 47%
HSV	194°, 54%, 64%
XYZ	19.3350, 23.7851, 38.2223
YIQ	124.9480, -46.9480, -8.1960

Conversions

Conversions Part 2

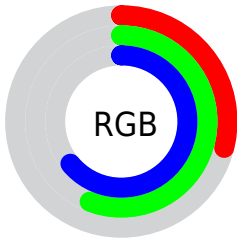
Format	Color
RYB	75, 113, 163
Decimal	4951971
CIELab	55.87, -15.73, -17.17
CIELCh	56, 23.286, 227.501
Yxy	23.7851, 0.2377, 0.2924
Android (android.graphics.Color)	4283142051 (0xFF4B8FA3)
YUV	124.9480, 18.7596, -43.8044
Hunter-Lab	48.7700, -14.5806, -12.3281

Details

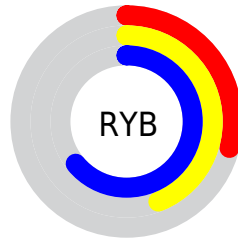
The XYZ color **19.3350, 23.7851, 38.2223** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.4672, 16.4798, 8.7596**, and the grayscale version is **19.4264, 20.4381, 22.2571**.

A 20% lighter version of the original color is **41.8271, 49.7403, 73.7260**, and **6.8462, 9.0087, 16.4169** is the 20% darker color. If you saturate the color by 10%, you get **17.6729, 22.1167, 37.9883**, and if you desaturate by 10%, it is **21.3436, 25.6604, 38.4788**.

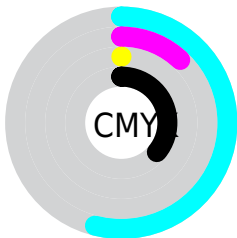
Distribution



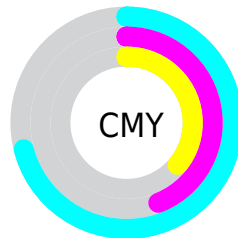
- Red (29%)
- Green (56%)
- Blue (64%)



- Red (29%)
- Yellow (44%)
- Blue (64%)



- Cyan (54%)
- Magenta (12%)
- Yellow (0%)
- Black (36%)



- Cyan (71%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3350, 23.7851, 38.2223 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 19.3350, 23.7851, 38.2223 by changing the saturation by 10% instead.

■ 19.3350, 23.7851,
38.2223

■ 19.3350, 23.7851,
38.2223

241.1947,
271.7322, 353.8994

■ 12.0180, 15.1743,
25.8521

■ 41.8119, 49.6793,
73.6559

■ 6.8282, 8.9418,
16.4883

■ 57.7026, 67.7314,
97.5565

■ 3.4003, 4.7032,
9.7122

■ 77.1818, 89.6995,
126.1375

■ 1.3688, 2.0742,
5.1055

■ 100.6151,
115.9679, 159.8176

■ 0.2338, 0.6501,
2.2495

■ 128.3676,
146.9209, 199.0153

■ 0.0000, 0.0000,
0.7027

160.8048,

■ 0.0000, 0.0000,

182.9431, 244.1491

0.0000

198.2921,
224.4187, 295.6376

■ 19.3350, 23.7851,
38.2223

■ 19.3350, 23.7851,
38.2223

■ 17.6729, 22.1167,
37.9883

■ 21.3436, 25.6604,
38.4788

■ 16.3294, 20.6391,
37.7739

■ 23.7194, 27.7520,
38.7573

■ 15.2758, 19.3377,
37.5782

■ 26.4841, 30.0718,
39.0594

■ 14.4769, 18.1941,
37.3996

■ 29.6570, 32.6301,
39.3860

■ 14.0662, 17.5548,
37.2979

■ 33.2560, 35.4363,
39.7379

■ 37.2980, 38.4995,
40.1161

■ 41.7990, 41.8280,
40.5214

■ 46.7741, 45.4299,
40.9544

■ 52.2377, 49.3128,
41.4159

Harmonies

Analogous

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



18.0854, 23.7851, 30.5411



19.3350, 23.7851, 38.2223



21.5216, 23.7851, 42.9264

Triad

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



19.3350, 23.7851, 38.2223



27.9581, 23.7851, 29.1879



21.1084, 23.7851, 14.3204

Complementary

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



19.3350, 23.7851, 38.2223



20.4672, 16.4798, 8.7596

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.



23.7283, 23.7851, 14.0993



19.3350, 23.7851, 38.2223



27.8257, 23.7851, 21.7509

Square

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



19.3350, 23.7851, 38.2223



26.5777, 23.7851, 37.0663



26.2288, 23.7851, 16.5562



19.0529, 23.7851, 17.2339

Rectangle

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



19.3350, 23.7851, 38.2223



23.2791, 23.7851, 43.2368



26.2288, 23.7851, 16.5562



21.9481, 23.7851, 13.9524

Sweetspot

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



19.3358, 23.7860, 38.2229



51.7325, 57.3392, 70.3971



18.0229, 28.5002, 15.1575



11.3646, 12.6744, 15.7849



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.3358, 23.7860, 38.2229



31.0684, 38.9925, 67.9449



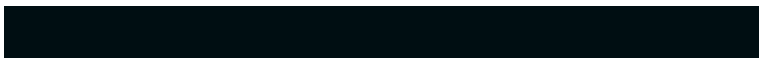
14.0641, 13.2427, 36.4657



7.1390, 7.7370, 9.0202



10.9670, 13.7134, 28.9987



0.2622, 0.3517, 0.6199

Inverse Universe

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



22.5790, 14.8027, 27.6546



37.7819, 22.1640, 45.6721



25.4730, 26.4914, 10.4282



7.2951, 7.1745, 8.5405



14.6811, 7.2285, 16.0432



0.3245, 0.1583, 0.4216

Previews

White Background



This preview shows how the XYZ color 19.3350, 23.7851, 38.2223 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 19.3350, 23.7851, 38.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

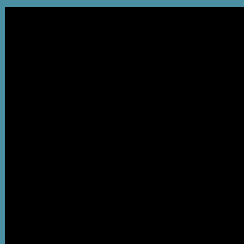
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

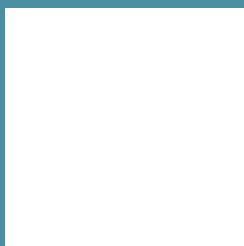
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3350, 23.7851, 38.2223

Background



This preview shows how black text looks on a background with the XYZ color 19.3350, 23.7851, 38.2223.



This preview shows how white text looks on a background with the XYZ color 19.3350, 23.7851,

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

19.3350, 23.7851, 38.2223

Protanopia

23.3053, 23.5700, 34.7736

Deuteranopia

24.2052, 23.7316, 39.3813



Tritanopia

18.6465, 23.7245, 35.0490

Trichromacy



Original Color

19.3350, 23.7851, 38.2223

Protanomaly

21.3688, 23.3627, 36.1841

Deuteranomaly

21.8859, 23.3596, 38.9526

Tritanomaly

18.9789, 23.8662, 36.4072

Monochromacy



Original Color

19.3350, 23.7851, 38.2223

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.9749, 21.4924, 27.5745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3350, 23.7851, 38.2223 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(75, 143, 163)` looks like.

```
.text, #text, p{  
    color:rgb(75, 143, 163)  
}
```

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(75, 143, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 143, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.3350, 23.7851, 38.2223 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(75, 143, 163) }
```


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

```
.border{ border-color:rgb(75, 143, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 143, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 143, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 143, 163);  
box-shadow:4px 4px 4px 4px rgb(75, 143,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3350, 23.7851, 38.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 143, 163) }
```

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

```
.background{ background-color: rgb(75, 143,  
163) }
```

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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