

Converting Colors

XYZ(23.0714, 23.5196, 37.9815)

Have a look what the booklet for
XYZ(23.0714, 23.5196, 37.9815)
contains.

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Color

**XYZ(23.1668, 23.6304,
37.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	7B85A3
RGB	123, 133, 163
RGB Percent	48%, 52%, 64%
CMY	0.5176, 0.4784, 0.3608
CMYK	0.25, 0.18, 0.00, 0.36
HSL	225°, 18%, 56%
HSV	225°, 25%, 64%
XYZ	23.1668, 23.6304, 37.9904
YIQ	133.4300, -15.5900, 7.2100

Conversions

Conversions Part 2

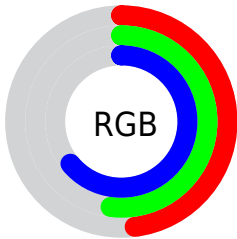
Format	Color
R_{YB}	123, 131, 163
Decimal	8095139
CIE Lab	55.72, 3.21, -17.15
CIE LCh	56, 17.449, 280.598
Yxy	23.6304, 0.2732, 0.2787
Android (android.graphics.Color)	4286285219 (0xFF7B85A3)
YUV	133.4300, 14.5780, -9.1471
Hunter-Lab	48.6111, -0.0010, -12.3084

Details

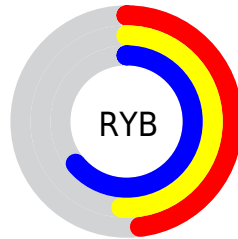
The XYZ color **23.1668, 23.6304, 37.9904** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.0709, 31.9992, 23.3311**, and the grayscale version is **22.4043, 23.5710, 25.6689**.

A 20% lighter version of the original color is **48.1183, 49.4099, 73.3306**, and **8.7872, 8.9048, 16.2946** is the 20% darker color. If you saturate the color by 10%, you get **19.4490, 19.3727, 37.3649**, and if you desaturate by 10%, it is **27.4691, 28.4798, 38.7001**.

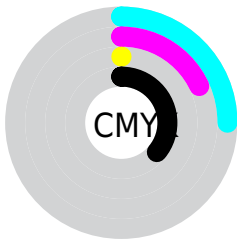
Distribution



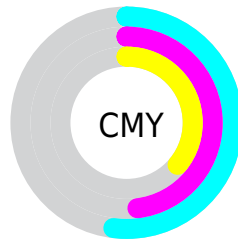
- Red (48%)
- Green (52%)
- Blue (64%)



- Red (48%)
- Yellow (51%)
- Blue (64%)



- Cyan (25%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)



- Cyan (52%)
- Magenta (48%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1668, 23.6304, 37.9904 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 23.1668, 23.6304, 37.9904 by changing the saturation by 10% instead.

■ 23.1668, 23.6304,
37.9904

■ 23.1668, 23.6304,
37.9904

261.0999,
270.9465, 352.8757

■ 14.8381, 15.0597,
25.6735

■ 48.1317, 49.4264,
73.2967

■ 8.7914, 8.8613,
16.3559

■ 65.4986, 67.4204,
97.1231

■ 4.6614, 4.6508,
9.6193

■ 86.6090, 89.3244,
125.6231

■ 2.0827, 2.0439,
5.0450

111.8281,
115.5227, 159.2152

■ 0.6798, 0.6328,
2.2145

141.5215,
146.3996, 198.3180

■ 0.0000, 0.0000,
0.6827

176.0543,

■ 0.0000, 0.0000,

182.3396, 243.3500

0.0000

215.7920,
223.7272, 294.7297

■ 23.1668, 23.6304,
37.9904

■ 23.1668, 23.6304,
37.9904

■ 19.4490, 19.3727,
37.3649

■ 27.4691, 28.4798,
38.7001

■ 16.2877, 15.6806,
36.8189

■ 32.3780, 33.9399,
39.4952

■ 13.6558, 12.5302,
36.3495

■ 37.9169, 40.0324,
40.3793

■ 11.5228, 9.8949,
35.9533

■ 44.1076, 46.7769,
41.3548

■ 9.8551, 7.7454,
35.6263

■ 50.9705, 54.1925,
42.4245

■ 8.6147, 6.0494,
35.3643

■ 58.5254, 62.2971,
43.5906

■ 7.7562, 4.7695,
35.1625

■ 66.7910, 71.1081,
44.8557

■ 7.3954, 4.2134,
35.0742

■ 75.7856, 80.6424,
46.2219

■ 79.9087, 88.0200,
47.4286

Harmonies

Analogous

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



21.2200, 23.6304, 37.4320



23.1668, 23.6304, 37.9904



25.0271, 23.6304, 34.9182

Triad

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



23.1668, 23.6304, 37.9904



25.4735, 23.6304, 19.2720



19.0601, 23.6304, 22.2779

Complementary

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



23.1668, 23.6304, 37.9904



30.0709, 31.9992, 23.3311

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.



20.0747, 23.6304, 18.3132



23.1668, 23.6304, 37.9904



23.7473, 23.6304, 16.7621

Square

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



23.1668, 23.6304, 37.9904



26.4098, 23.6304, 23.7776



21.7677, 23.6304, 16.4390



18.9250, 23.6304, 27.7853

Rectangle

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



23.1668, 23.6304, 37.9904



25.9392, 23.6304, 31.4562



21.7677, 23.6304, 16.4390



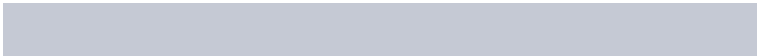
19.3067, 23.6304, 20.7438

Sweetspot

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



23.1675, 23.6314, 37.9909



55.6015, 58.1424, 70.3482



26.9609, 32.6837, 34.7372



12.3758, 12.9342, 15.7818



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.



23.1675, 23.6314, 37.9909



38.0341, 38.3794, 67.4595



23.2624, 21.7434, 37.6215



6.8377, 7.1344, 8.9198



5.7791, 3.3377, 27.2694



0.1564, 0.1401, 0.5846

Inverse Universe

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



26.4215, 23.6466, 25.3631



44.8482, 38.5837, 40.9766



29.9359, 34.4622, 23.8137



7.1430, 7.1137, 7.7397



12.0625, 6.1811, 2.2539



0.2711, 0.1369, 0.1403

Previews

White Background



This preview shows how the XYZ color 23.1668, 23.6304, 37.9904 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 23.1668, 23.6304, 37.9904 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

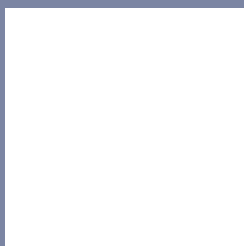
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1668, 23.6304, 37.9904

Background



This preview shows how black text looks on a background with the XYZ color 23.1668, 23.6304, 37.9904.



This preview shows how white text looks on a background with the XYZ color 23.1668, 23.6304,

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

23.1668, 23.6304, 37.9904

Protanopia

23.5252, 23.6232, 37.5022

Deuteranopia

24.1772, 23.7382, 38.4296



Tritanopia

21.8163, 23.7080, 31.0300

Trichromacy



Original Color

23.1668, 23.6304, 37.9904

Protanomaly

23.3770, 23.5468, 37.4953

Deuteranomaly

23.8542, 23.7721, 38.4532

Tritanomaly

22.2989, 23.6928, 33.5349

Monochromacy



Original Color

23.1668, 23.6304, 37.9904

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4748, 23.4558, 29.7284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1668, 23.6304, 37.9904 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(123, 133, 163)` looks like.

```
.text, #text, p{  
    color:rgb(123, 133, 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(123, 133, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 133, 163) }
```

Border

The CSS property to change the border of an element to XYZ 23.1668, 23.6304, 37.9904 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(123, 133, 163) }
```


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

```
.border{ border-color:rgb(123, 133, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 133, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 133, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 133, 163);  
box-shadow:4px 4px 4px 4px rgb(123, 133,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1668, 23.6304, 37.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 133, 163) }
```

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

```
.background{ background-color: rgb(123,  
133, 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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