

Converting Colors

XYZ(23.2211, 23.6681, 37.5270)

Have a look what the booklet for
XYZ(23.2211, 23.6681, 37.5270)
contains.

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Color

**XYZ(23.2213, 23.6688,
37.5271)**

Conversions

Conversions Part 1

Format	Color
Hex	7C85A2
RGB	124, 133, 162
RGB Percent	49%, 52%, 64%
CMY	0.5137, 0.4784, 0.3647
CMYK	0.23, 0.18, 0.00, 0.36
HSL	226°, 17%, 56%
HSV	226°, 23%, 64%
XYZ	23.2213, 23.6688, 37.5271
YIQ	133.6150, -14.6730, 7.1110

Conversions

Conversions Part 2

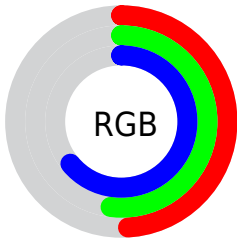
Format	Color
R_{YB}	124, 131, 162
Decimal	8160674
CIE _{Lab}	55.75, 3.29, -16.51
CIE _{LCh}	56, 16.834, 281.259
Yxy	23.6688, 0.2751, 0.2804
Android (android.graphics.Color)	4286350754 (0xFF7C85A2)
YUV	133.6150, 13.9938, -8.4324
Hunter-Lab	48.6506, 0.0609, -11.6785

Details

The XYZ color **23.2213, 23.6688, 37.5271** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.9299, 31.9191, 23.6529**, and the grayscale version is **22.4736, 23.6440, 25.7483**.

A 20% lighter version of the original color is **48.2148, 49.4747, 72.6540**, and **8.8088, 8.9223, 16.0097** is the 20% darker color. If you saturate the color by 10%, you get **19.4757, 19.3719, 36.8955**, and if you desaturate by 10%, it is **27.5523, 28.5644, 38.2442**.

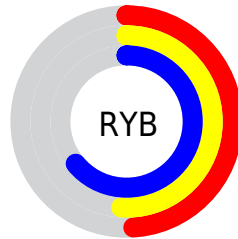
Distribution



Red (49%)

Green (52%)

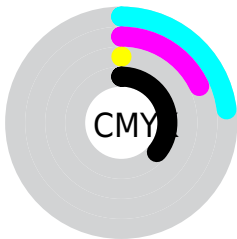
Blue (64%)



Red (49%)

Yellow (51%)

Blue (64%)

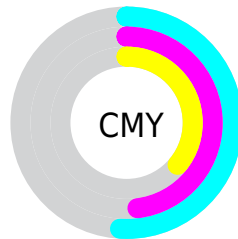


Cyan (23%)

Magenta (18%)

Yellow (0%)

Black (36%)



Cyan (51%)

Magenta (48%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2213, 23.6688, 37.5271 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 23.2213, 23.6688, 37.5271 by changing the saturation by 10% instead.

■ 23.2213, 23.6688,
37.5271

■ 23.2213, 23.6688,
37.5271

261.3738,
271.1417, 350.8241

■ 14.8786, 15.0881,
25.3169

■ 48.2204, 49.4892,
72.5781

■ 8.8200, 8.8813,
16.0921

■ 65.6076, 67.4977,
96.2559

■ 4.6801, 4.6638,
9.4343

■ 86.7402, 89.4176,
124.5934

■ 2.0936, 2.0514,
4.9249

111.9838,
115.6333, 158.0091

■ 0.6858, 0.6371,
2.1453

141.7035,
146.5291, 196.9214

■ 0.0000, 0.0000,
0.6425

176.2649,

■ 0.0000, 0.0000,

182.4896, 241.7490

0.0000

216.0332,
223.8990, 292.9104

■ 23.2213, 23.6688,
37.5271

■ 23.2213, 23.6688,
37.5271

■ 19.4757, 19.3719,
36.8955

■ 27.5523, 28.5644,
38.2442

■ 16.2875, 15.6473,
36.3446

■ 32.4904, 34.0779,
39.0481

■ 13.6300, 12.4710,
35.8716

■ 38.0591, 40.2311,
39.9423

■ 11.4730, 9.8160,
35.4728

■ 44.2799, 47.0442,
40.9295

■ 9.7833, 7.6529,
35.1444

■ 51.1731, 54.5360,
42.0122

■ 8.5235, 5.9492,
34.8819

■ 58.7583, 62.7249,
43.1931

■ 7.6497, 4.6676,
34.6806

■ 67.0543, 71.6286,
44.4744

■ 7.2268, 4.0190,
34.5777

■ 76.0790, 81.2638,
45.8585

■ 80.1927, 88.7307,
47.0830

Harmonies

Analogous

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



21.3368, 23.6688, 37.0724



23.2213, 23.6688, 37.5271



25.0069, 23.6688, 34.5162

Triad

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



23.2213, 23.6688, 37.5271



25.3724, 23.6688, 19.4376



19.1941, 23.6688, 22.5368

Complementary

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



23.2213, 23.6688, 37.5271



29.9299, 31.9191, 23.6529

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.



20.1600, 23.6688, 18.6443



23.2213, 23.6688, 37.5271



23.6975, 23.6688, 17.0376

Square

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



23.2213, 23.6688, 37.5271



26.2948, 23.6688, 23.7715



21.7869, 23.6688, 16.7693



19.0827, 23.6688, 27.8803

Rectangle

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



23.2213, 23.6688, 37.5271



25.8734, 23.6688, 31.1682



21.7869, 23.6688, 16.7693



19.4270, 23.6688, 21.0364

Sweetspot

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



23.2220, 23.6698, 37.5276



55.5562, 58.0519, 70.3331



26.9416, 32.4097, 34.7571



12.3649, 12.9125, 15.7782



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.



23.2220, 23.6698, 37.5276



38.5750, 38.8763, 67.5269



23.4818, 22.0519, 37.2017



6.8304, 7.1197, 8.9173



5.7223, 3.2240, 27.2505



0.1539, 0.1350, 0.5838

Inverse Universe

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



26.3422, 23.7908, 25.3951



45.2640, 39.2966, 41.4809



29.6016, 34.0201, 24.0757



7.1394, 7.1122, 7.7202



12.0338, 6.1696, 2.1027



0.2698, 0.1364, 0.1335

Previews

White Background



This preview shows how the XYZ color 23.2213, 23.6688, 37.5271 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 23.2213, 23.6688, 37.5271 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

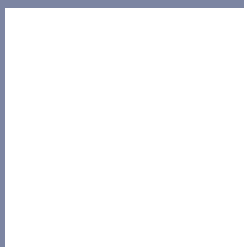
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2213, 23.6688, 37.5271

Background



This preview shows how black text looks on a background with the XYZ color 23.2213, 23.6688, 37.5271.



This preview shows how white text looks on a background with the XYZ color 23.2213, 23.6688,

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

23.2213, 23.6688, 37.5271

Protanopia

23.4367, 23.5878, 37.0359

Deuteranopia

24.2429, 23.7825, 37.9631



Tritanopia

21.9558, 23.7799, 31.0365

Trichromacy



Original Color

23.2213, 23.6688, 37.5271

Protanomaly

23.2885, 23.5114, 37.0289

Deuteranomaly

23.9154, 23.8140, 37.9864

Tritanomaly

22.3575, 23.7325, 33.1082

Monochromacy



Original Color

23.2213, 23.6688, 37.5271

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.7651, 23.8096, 29.7814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2213, 23.6688, 37.5271 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(124, 133, 162)` looks like.

```
.text, #text, p{  
    color:rgb(124, 133, 162)  
}
```

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(124, 133, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 133, 162) }
```

Border

The CSS property to change the border of an element to XYZ 23.2213, 23.6688, 37.5271 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(124, 133, 162) }
```


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

```
.border{ border-color:rgb(124, 133, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 133, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 133, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 133, 162);  
box-shadow:4px 4px 4px 4px rgb(124, 133,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2213, 23.6688, 37.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 133, 162) }
```

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

```
.background{ background-color: rgb(124,  
133, 162) }
```

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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