

Converting Colors

XYZ(23.6572, 23.2481, 49.5840)

Have a look what the booklet for
XYZ(23.6572, 23.2481, 49.5840)
contains.

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Color

**XYZ(23.6613, 23.2225,
49.6897)**

Conversions

Conversions Part 1

Format	Color
Hex	7083BA
RGB	112, 131, 186
RGB Percent	44%, 51%, 73%
CMY	0.5608, 0.4863, 0.2706
CMYK	0.40, 0.30, 0.00, 0.27
HSL	225°, 35%, 58%
HSV	225°, 40%, 73%
XYZ	23.6613, 23.2225, 49.6897
YIQ	131.5890, -28.9790, 13.0770

Conversions

Conversions Part 2

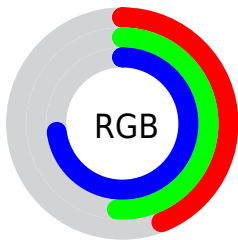
Format	Color
R_{YB}	112, 127, 186
Decimal	7373754
CIE _{Lab}	55.30, 7.20, -31.05
CIE _{LCh}	55, 31.873, 283.064
Yxy	23.2225, 0.2450, 0.2405
Android (android.graphics.Color)	4285563834 (0xFF7083BA)
YUV	131.5890, 26.8246, -17.1796
Hunter-Lab	48.1897, 3.3120, -27.4027

Details

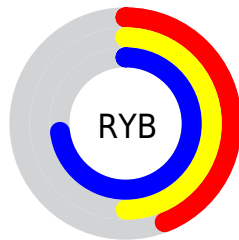
The XYZ color **23.6613, 23.2225, 49.6897** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **36.9937, 39.2471, 20.9558**, and the grayscale version is **21.6991, 22.8292, 24.8610**.

A 20% lighter version of the original color is **48.8934, 48.7988, 90.8465**, and **9.1144, 8.6887, 23.3870** is the 20% darker color. If you saturate the color by 10%, you get **19.8002, 18.6575, 49.0125**, and if you desaturate by 10%, it is **28.2607, 28.5368, 50.4735**.

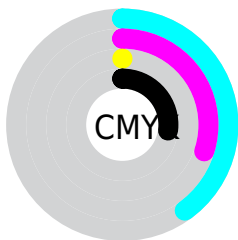
Distribution



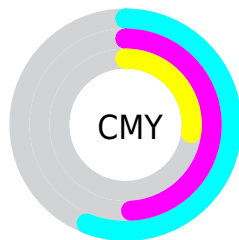
- Red (44%)
- Green (51%)
- Blue (73%)



- Red (44%)
- Yellow (50%)
- Blue (73%)



- Cyan (40%)
- Magenta (30%)
- Yellow (0%)
- Black (27%)



- Cyan (56%)
- Magenta (49%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6613, 23.2225, 49.6897 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 23.6613, 23.2225, 49.6897 by changing the saturation by 10% instead.

■ 23.6613, 23.2225,
49.6897

■ 23.6613, 23.2225,
49.6897

263.5760,
268.8657, 402.1515

■ 15.2059, 14.7579,
34.7975

■ 48.9356, 48.7584,
91.1065

■ 9.0513, 8.6496,
23.2246

■ 66.4853, 66.5985,
118.4682

■ 4.8320, 4.5134,
14.5526

■ 87.7971, 88.3325,
150.8234

■ 2.1828, 1.9647,
8.3629

113.2365,
114.3449, 188.5907

■ 0.7336, 0.5868,
4.2369

143.1687,
145.0200, 232.1886

■ 0.0000, 0.0000,
1.7562

177.9591,

■ 0.0000, 0.0000,

180.7423, 282.0357

0.3988

217.9731,
221.8961, 338.5504

■ 0.0000, 0.0000,
0.0000

■ 23.6613, 23.2225,
49.6897

■ 23.6613, 23.2225,
49.6897

■ 19.8002, 18.6575,
49.0125

■ 28.2607, 28.5368,
50.4735

■ 16.6348, 14.8041,
48.4355

■ 33.6328, 34.6304,
51.3665

■ 14.1218, 11.6249,
47.9544

■ 39.8128, 41.5349,
52.3735

■ 12.2119, 9.0780,
47.5634

■ 46.8331, 49.2793,
53.4983

■ 10.8477, 7.1159,
47.2566

■ 54.7239, 57.8911,
54.7447

■ 9.9273, 5.6663,
47.0253

■ 63.5144, 67.3965,
56.1161

■ 9.9100, 5.6392,
47.0210

■ 73.2320, 77.8207,
57.6160

■ 81.7356, 88.0703,
59.1462

■ 85.8630, 96.3252,
60.5220

Harmonies

Analogous

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



20.1317, 23.2225, 49.1522



23.6613, 23.2225, 49.6897



27.1013, 23.2225, 42.5477

Triad

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



23.6613, 23.2225, 49.6897



27.4792, 23.2225, 14.0932



16.1330, 23.2225, 19.9781

Complementary

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



23.6613, 23.2225, 49.6897



36.9937, 39.2471, 20.9558

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.



17.7074, 23.2225, 13.4665



23.6613, 23.2225, 49.6897



24.1337, 23.2225, 10.7516

Square

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



23.6613, 23.2225, 49.6897



29.4604, 23.2225, 21.0951



20.5561, 23.2225, 10.5583



16.0358, 23.2225, 29.9968

Rectangle

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



23.6613, 23.2225, 49.6897



28.7781, 23.2225, 35.2817



20.5561, 23.2225, 10.5583



16.4986, 23.2225, 17.3817

Sweetspot

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



23.6621, 23.2234, 49.6903



69.3199, 72.1239, 94.4692



31.1491, 41.3261, 42.5405



14.9342, 15.5138, 20.7499



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.6621, 23.2234, 49.6903



36.5235, 34.5775, 88.9505



23.7517, 19.8225, 49.0291



8.7036, 9.0844, 11.3742



6.7194, 3.8985, 31.6514



0.2884, 0.2404, 1.1330

Inverse Universe

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



30.1413, 23.6670, 24.4531



50.1468, 36.2299, 35.7251



36.7892, 44.6938, 22.0179



9.0967, 9.0491, 9.8567



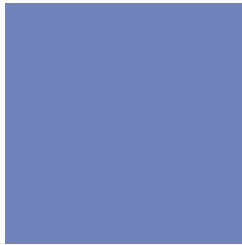
14.0053, 7.1759, 2.6489



0.5197, 0.2634, 0.2303

Previews

White Background



This preview shows how the XYZ color 23.6613, 23.2225, 49.6897 looks on a white background.

Color Contrast Check

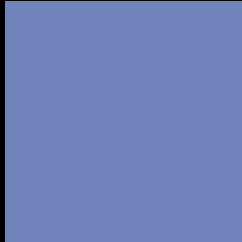
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6613, 23.2225, 49.6897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

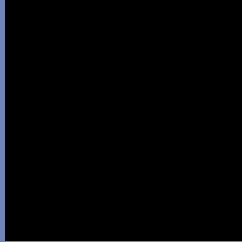
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

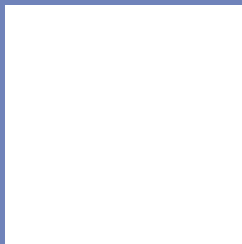
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6613, 23.2225, 49.6897

Background



This preview shows how black text looks on a background with the XYZ color 23.6613, 23.2225, 49.6897.

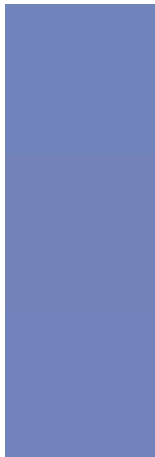


This preview shows how white text looks on a background with the XYZ color 23.6613, 23.2225,

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

23.6613, 23.2225, 49.6897

Protanopia

23.8098, 23.1129, 49.1053

Deuteranopia

23.7893, 23.2885, 49.6957



Tritanopia

20.1068, 23.2304, 31.8580

Trichromacy



Original Color

23.6613, 23.2225, 49.6897

Protanomaly

23.6790, 23.0455, 49.0991

Deuteranomaly

23.7893, 23.2885, 49.6957

Tritanomaly

21.1294, 23.0008, 37.5084

Monochromacy



Original Color

23.6613, 23.2225, 49.6897

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.3762, 23.1295, 32.9909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6613, 23.2225, 49.6897 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(112, 131, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 131, 186)  
}
```

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(112, 131, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 131, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.6613, 23.2225, 49.6897 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(112, 131, 186) }
```


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

```
.border{ border-color:rgb(112, 131, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 131, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 131, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 131, 186);  
box-shadow:4px 4px 4px 4px rgb(112, 131,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6613, 23.2225, 49.6897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 131, 186) }
```

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

```
.background{ background-color: rgb(112,  
131, 186) }
```

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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