

Converting Colors

XYZ(24.2708, 22.6883, 47.7160)

Have a look what the booklet for
XYZ(24.2708, 22.6883, 47.7160)
contains.

XYZ(24.3203, 22.6257, 47.8851)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3203, 22.6257,
47.8851)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7EB7
RGB	124, 126, 183
RGB Percent	49%, 49%, 72%
CMY	0.5137, 0.5059, 0.2824
CMYK	0.32, 0.31, 0.00, 0.28
HSL	238°, 29%, 60%
HSV	238°, 32%, 72%
XYZ	24.3203, 22.6257, 47.8851
YIQ	131.9000, -19.4890, 17.3030

Conversions

Conversions Part 2

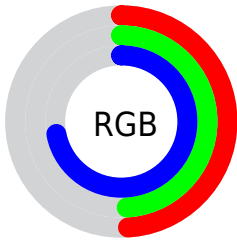
Format	Color
R_YB	124, 126, 183
Decimal	8158903
CIE Lab	54.68, 12.75, -30.22
CIE LCh	55, 32.804, 292.879
Yxy	22.6257, 0.2565, 0.2386
Android (android.graphics.Color)	4286348983 (0xFF7C7EB7)
YUV	131.9000, 25.1923, -6.9283
Hunter-Lab	47.5665, 8.0241, -26.3906

Details

The XYZ color **24.3203, 22.6257, 47.8851** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.6910, 44.5708, 25.5808**, and the grayscale version is **21.8139, 22.9500, 24.9925**.

A 20% lighter version of the original color is **50.0602, 47.9372, 88.2757**, and **9.4308, 8.3359, 22.2310** is the 20% darker color. If you saturate the color by 10%, you get **19.8526, 17.2582, 47.0850**, and if you desaturate by 10%, it is **29.6799, 29.0470, 48.8424**.

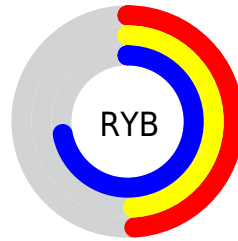
Distribution



Red (49%)

Green (49%)

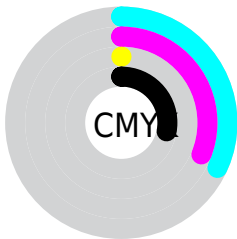
Blue (72%)



Red (49%)

Yellow (49%)

Blue (72%)

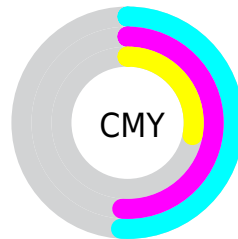


Cyan (32%)

Magenta (31%)

Yellow (0%)

Black (28%)



Cyan (51%)

Magenta (51%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3203, 22.6257, 47.8851 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 24.3203, 22.6257, 47.8851 by changing the saturation by 10% instead.

■ 24.3203, 22.6257,
47.8851

■ 24.3203, 22.6257,
47.8851

266.8464,
265.7966, 394.8321

■ 15.6974, 14.3174,
33.3766

■ 50.0033, 47.7780,
88.3971

■ 9.3998, 8.3417,
22.1416

■ 67.7940, 65.3907,
115.2376

■ 5.0620, 4.3144,
13.7617

■ 89.3715, 86.8738,
147.0258

■ 2.3188, 1.8509,
7.8182

115.1010,
112.6114, 184.1804

■ 0.8043, 0.5186,
3.8928

145.3479,
142.9882, 227.1197

■ 0.0000, 0.0000,
1.5667

180.4775,

■ 0.0000, 0.0000,

178.3884, 276.2624

0.2669

220.8552,
219.1964, 332.0270

■ 0.0000, 0.0000,
0.0000

■ 24.3203, 22.6257,
47.8851

■ 24.3203, 22.6257,
47.8851

■ 19.8526, 17.2582,
47.0850

■ 29.6799, 29.0470,
48.8424

■ 16.2261, 12.8859,
46.4321

■ 35.9736, 36.5713,
49.9631

■ 13.3890, 9.4481,
45.9181

■ 43.2438, 45.2481,
51.2547

■ 11.2823, 6.8770,
45.5329

■ 51.5296, 55.1229,
52.7240

■ 9.8392, 5.0951,
45.2650

■ 60.8680, 66.2390,
54.3774

■ 8.9804, 4.0115,
45.1011

■ 71.2940, 78.6371,
56.2210

■ 8.6146, 3.5536,
45.0320

■ 82.8411, 92.3566,
58.2605

■ 85.5473, 96.1989,
58.8595

Harmonies

Analogous

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



20.6554, 22.6257, 50.1175



24.3203, 22.6257, 47.8851



27.5329, 22.6257, 38.6971

Triad

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



24.3203, 22.6257, 47.8851



25.9754, 22.6257, 11.9341



15.3226, 22.6257, 22.2509

Complementary

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



24.3203, 22.6257, 47.8851



39.6910, 44.5708, 25.5808

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.



16.4283, 22.6257, 14.4745



24.3203, 22.6257, 47.8851



22.3777, 22.6257, 9.6985

Square

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



24.3203, 22.6257, 47.8851



28.5607, 22.6257, 17.6823



18.9159, 22.6257, 10.4767



15.7191, 22.6257, 33.2076

Rectangle

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



24.3203, 22.6257, 47.8851



28.8500, 22.6257, 30.9683



18.9159, 22.6257, 10.4767



15.5263, 22.6257, 19.2309

Sweetspot

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



24.3211, 22.6266, 47.8856



66.9820, 68.5486, 89.9366



33.4896, 41.4499, 49.4427



14.4113, 14.6830, 19.7961



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.3211, 22.6266, 47.8856



37.4835, 33.2282, 84.6738



28.4348, 24.3715, 48.0056



8.5449, 8.7670, 11.3213



6.0199, 2.4995, 31.4182



0.2205, 0.1047, 1.1103

Inverse Universe

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



30.5027, 25.9898, 23.1484



50.3781, 40.3095, 33.0578



34.3698, 42.4356, 25.4491



9.0166, 9.0170, 9.4349



13.6523, 7.0347, 0.7897



0.4855, 0.2497, 0.0499

Previews

White Background



This preview shows how the XYZ color 24.3203, 22.6257, 47.8851 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 24.3203, 22.6257, 47.8851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

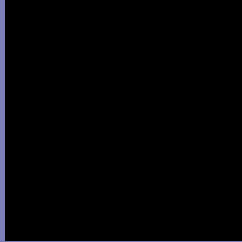
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3203, 22.6257, 47.8851

Background



This preview shows how black text looks on a background with the XYZ color 24.3203, 22.6257, 47.8851.



This preview shows how white text looks on a background with the XYZ color 24.3203, 22.6257,

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

24.3203, 22.6257, 47.8851

Protanopia

23.4173, 22.7140, 49.0490

Deuteranopia

23.1038, 22.5886, 47.3983



Tritanopia

20.7616, 22.7768, 29.6877

Trichromacy



Original Color

24.3203, 22.6257, 47.8851

Protanomaly

23.7070, 22.6809, 48.4758

Deuteranomaly

23.4988, 22.5976, 47.3792

Tritanomaly

21.8956, 22.6232, 35.5604

Monochromacy



Original Color

24.3203, 22.6257, 47.8851

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.6218, 22.8668, 32.4996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3203, 22.6257, 47.8851 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, 126, 183)` looks like.

```
.text, #text, p{  
    color:rgb(124, 126, 183)  
}
```

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, 126, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 126, 183) }
```

Border

The CSS property to change the border of an element to XYZ 24.3203, 22.6257, 47.8851 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, 126, 183) }
```


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

```
.border{ border-color:rgb(124, 126, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 126, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 126, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 126, 183);  
box-shadow:4px 4px 4px 4px rgb(124, 126,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3203, 22.6257, 47.8851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 126, 183) }
```

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

```
.background{ background-color: rgb(124,  
126, 183) }
```

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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