

Converting Colors

XYZ(23.7170, 20.2500, 32.6880)

Have a look what the booklet for
XYZ(23.7170, 20.2500, 32.6880)
contains.

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Color

**XYZ(23.8676, 20.4061,
32.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	947199
RGB	148, 113, 153
RGB Percent	58%, 44%, 60%
CMY	0.4196, 0.5568, 0.4000
CMYK	0.03, 0.26, 0.00, 0.40
HSL	292°, 16%, 52%
HSV	292°, 26%, 60%
XYZ	23.8676, 20.4061, 32.8178
YIQ	128.0250, 8.0200, 19.8600

Conversions

Conversions Part 2

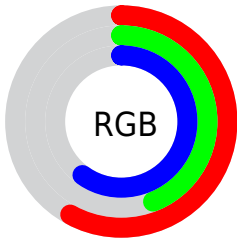
Format	Color
R_{YB}	148, 113, 153
Decimal	9728409
CIE _{Lab}	52.29, 21.08, -16.35
CIE _{LCh}	52, 26.676, 322.205
Yxy	20.4061, 0.3096, 0.2647
Android (android.graphics.Color)	4287918489 (0xFF947199)
YUV	128.0250, 12.3127, 17.5181
Hunter-Lab	45.1731, 15.2591, -11.4524

Details

The XYZ color **23.8676, 20.4061, 32.8178** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8439, 27.8268, 19.8437**, and the grayscale version is **20.4837, 21.5505, 23.4685**.

A 20% lighter version of the original color is **49.0747, 43.9718, 64.9324**, and **9.2183, 7.2813, 13.4899** is the 20% darker color. If you saturate the color by 10%, you get **21.9596, 17.0990, 32.2803**, and if you desaturate by 10%, it is **26.0704, 24.2935, 33.4523**.

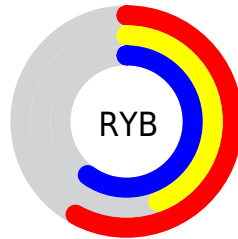
Distribution



Red (58%)

Green (44%)

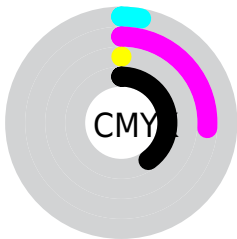
Blue (60%)



Red (58%)

Yellow (44%)

Blue (60%)

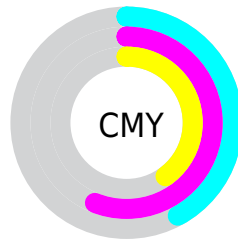


Cyan (3%)

Magenta (26%)

Yellow (0%)

Black (40%)



Cyan (42%)

Magenta (56%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8676, 20.4061, 32.8178 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 23.8676, 20.4061, 32.8178 by changing the saturation by 10% instead.

■ 23.8676, 20.4061,
32.8178

■ 23.8676, 20.4061,
32.8178

264.6033,
254.1052, 329.4347

■ 15.3596, 12.6906,
21.7169

■ 49.2703, 44.0970,
65.2037

■ 9.1601, 7.2158,
13.4527

■ 66.8958, 60.8412,
87.3258

■ 4.9037, 3.5974,
7.6067

■ 88.2911, 81.3637,
113.9587

■ 2.2251, 1.4510,
3.7602

■ 113.8217,
106.0489, 145.5210

■ 0.7559, 0.2539,
1.4947

143.8528,
135.2813, 182.4312

■ 0.0000, 0.0000,
0.2140

178.7499,

■ 0.0000, 0.0000,

169.4452, 225.1079

0.0000

218.8783,
208.9250, 273.9696

■ 23.8676, 20.4061,
32.8178

■ 23.8676, 20.4061,
32.8178

■ 21.9596, 17.0990,
32.2803

■ 26.0704, 24.2935,
33.4523

■ 20.3299, 14.3407,
31.8338

■ 28.5795, 28.7853,
34.1871

■ 18.9636, 12.1006,
31.4735

■ 31.4082, 33.9076,
35.0267

■ 17.8434, 10.3443,
31.1935

■ 34.5682, 39.6841,
35.9751

■ 16.9498, 9.0330,
30.9875

■ 38.0710, 46.1373,
37.0361

■ 16.2605, 8.1221,
30.8480

■ 41.9271, 53.2887,
38.2132

■ 15.7433, 7.5469,
30.7642

■ 46.1469, 61.1586,
39.5099

■ 15.5613, 7.3579,
30.7373

■ 50.7402, 69.7668,
40.9293

■ 55.7164, 79.1321,
42.4747

Harmonies

Analogous

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



21.4572, 20.4061, 39.3378



23.8676, 20.4061, 32.8178



25.1027, 20.4061, 24.3305

Triad

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



23.8676, 20.4061, 32.8178



20.1194, 20.4061, 10.3641



14.9116, 20.4061, 28.4285

Complementary

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



23.8676, 20.4061, 32.8178



21.8439, 27.8268, 19.8437

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.



14.6262, 20.4061, 20.2329



23.8676, 20.4061, 32.8178



17.4701, 20.4061, 10.9650

Square

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



23.8676, 20.4061, 32.8178



22.8096, 20.4061, 12.2945



15.5199, 20.4061, 14.1896



16.3401, 20.4061, 36.4157

Rectangle

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



23.8676, 20.4061, 32.8178



25.0191, 20.4061, 19.1767



15.5199, 20.4061, 14.1896



14.6846, 20.4061, 25.5667

Sweetspot

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



23.8682, 20.4070, 32.8182



50.2308, 49.8392, 60.9445



19.0785, 18.8472, 32.7696



10.9476, 10.7468, 13.4148



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.8682, 20.4070, 32.8182



40.8113, 33.1801, 58.2254



23.6543, 20.4282, 26.8685



6.3852, 6.2845, 7.8055



12.8801, 6.0910, 25.4045



0.2111, 0.1006, 0.3807

Inverse Universe

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



22.3128, 19.8916, 19.8041



37.6135, 32.1311, 30.9869



22.0764, 27.8435, 24.5189



6.2387, 6.2346, 6.6369



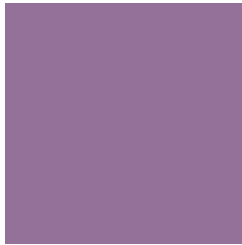
10.9628, 5.6394, 1.0631



0.1711, 0.0872, 0.0536

Previews

White Background



This preview shows how the XYZ color 23.8676, 20.4061, 32.8178 looks on a white background.

Color Contrast Check

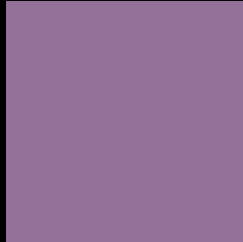
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8676, 20.4061, 32.8178 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 23.8676, 20.4061, 32.8178

Background



This preview shows how black text looks on a background with the XYZ color 23.8676, 20.4061, 32.8178.



This preview shows how white text looks on a background with the XYZ color 23.8676, 20.4061,

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

23.8676, 20.4061, 32.8178

Protanopia

20.6230, 20.5982, 36.1466

Deuteranopia

20.8576, 20.4385, 32.1239



Tritanopia

21.8108, 20.4185, 22.8703

Trichromacy



Original Color

23.8676, 20.4061, 32.8178

Protanomaly

21.5547, 20.3793, 34.6958

Deuteranomaly

21.9372, 20.4472, 32.4963

Tritanomaly

22.3664, 20.2881, 26.0297

Monochromacy



Original Color

23.8676, 20.4061, 32.8178

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.5900, 21.1230, 26.6061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8676, 20.4061, 32.8178 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(148, 113, 153)` looks like.

```
.text, #text, p{  
    color:rgb(148, 113, 153)  
}
```

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(148, 113, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 113, 153) }
```

Border

The CSS property to change the border of an element to XYZ 23.8676, 20.4061, 32.8178 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(148, 113, 153) }
```


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

```
.border{ border-color:rgb(148, 113, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 113, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 113, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 113, 153);  
box-shadow:4px 4px 4px 4px rgb(148, 113,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8676, 20.4061, 32.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 113, 153) }
```

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

```
.background{ background-color: rgb(148,  
113, 153) }
```

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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