

Converting Colors

XYZ(23.7891, 20.2192, 39.4536)

Have a look what the booklet for
XYZ(23.7891, 20.2192, 39.4536)
contains.

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Color

**XYZ(23.7882, 20.2129,
39.6935)**

Conversions

Conversions Part 1

Format	Color
Hex	8C71A8
RGB	140, 113, 168
RGB Percent	55%, 44%, 66%
CMY	0.4510, 0.5568, 0.3412
CMYK	0.17, 0.33, 0.00, 0.34
HSL	269°, 24%, 55%
HSV	269°, 33%, 66%
XYZ	23.7882, 20.2129, 39.6935
YIQ	127.3430, -1.5630, 22.8290

Conversions

Conversions Part 2

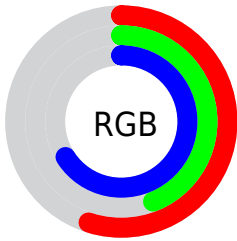
Format	Color
R_{YB}	140, 113, 168
Decimal	9204136
CIE _{Lab}	52.08, 21.66, -25.50
CIE _{LCh}	52, 33.457, 310.348
Yxy	20.2129, 0.2842, 0.2415
Android (android.graphics.Color)	4287394216 (0xFF8C71A8)
YUV	127.3430, 20.0439, 11.1002
Hunter-Lab	44.9588, 15.7686, -20.8752

Details

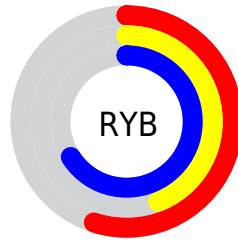
The XYZ color **23.7882, 20.2129, 39.6935** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.9685, 34.8608, 20.8785**, and the grayscale version is **20.2249, 21.2782, 23.1719**.

A 20% lighter version of the original color is **49.0226, 43.7073, 75.6646**, and **9.1625, 7.1654, 17.4231** is the 20% darker color. If you saturate the color by 10%, you get **20.6991, 16.0912, 39.0611**, and if you desaturate by 10%, it is **27.3377, 25.0879, 40.4477**.

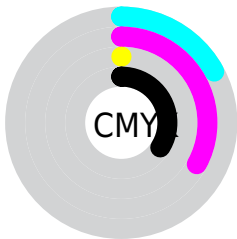
Distribution



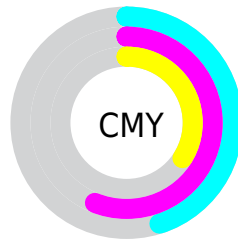
- Red (55%)
- Green (44%)
- Blue (66%)



- Red (55%)
- Yellow (44%)
- Blue (66%)



- Cyan (17%)
- Magenta (33%)
- Yellow (0%)
- Black (34%)



- Cyan (45%)
- Magenta (56%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7882, 20.2129, 39.6935 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 23.7882, 20.2129, 39.6935 by changing the saturation by 10% instead.

■ 23.7882, 20.2129,
39.6935

■ 23.7882, 20.2129,
39.6935

264.2083,
253.0653, 360.3436

■ 15.3005, 12.5499,
26.9877

■ 49.1415, 43.7738,
75.9285

■ 9.1182, 7.1193,
17.3316

■ 66.7379, 60.4406,
100.2948

■ 4.8761, 3.5369,
10.3068

■ 88.1011, 80.8773,
129.3850

■ 2.2088, 1.4180,
5.4946

■ 113.5966,
105.4685, 163.6177

■ 0.7473, 0.2299,
2.4765

143.5897,
134.5985, 203.4113

■ 0.0000, 0.0000,
0.8277

178.4458,

■ 0.0000, 0.0000,

168.6517, 249.1845

0.0000

218.5302,
208.0125, 301.3558

■ 23.7882, 20.2129,
39.6935

■ 23.7882, 20.2129,
39.6935

■ 20.6991, 16.0912,
39.0611

■ 27.3377, 25.0879,
40.4477

■ 18.0465, 12.6807,
38.5426

■ 31.3657, 30.7504,
41.3284

■ 15.8076, 9.9388,
38.1313

■ 35.8917, 37.2354,
42.3416

■ 13.9561, 7.8171,
37.8194

■ 40.9334, 44.5751,
43.4926

■ 12.4624, 6.2604,
37.5977

■ 46.5079, 52.8000,
44.7863

■ 11.2914, 5.2033,
37.4553

■ 52.6311, 61.9388,
46.2276

■ 10.5887, 4.6422,
37.3841

■ 59.3184, 72.0192,
47.8208

■ 66.5845, 83.0676,
49.5704

■ 71.4367, 89.0955,
50.4782

Harmonies

Analogous

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



20.4166, 20.2129, 46.1996



23.7882, 20.2129, 39.6935



26.0889, 20.2129, 28.9638

Triad

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



23.7882, 20.2129, 39.6935



21.5076, 20.2129, 8.6164



13.4451, 20.2129, 25.5652

Complementary

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



23.7882, 20.2129, 39.6935



27.9685, 34.8608, 20.8785

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.



13.6637, 20.2129, 16.2665



23.7882, 20.2129, 39.6935



18.0553, 20.2129, 8.2005

Square

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



23.7882, 20.2129, 39.6935



24.6679, 20.2129, 11.9338



15.2635, 20.2129, 10.5553



14.6260, 20.2129, 36.5805

Rectangle

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



23.7882, 20.2129, 39.6935



26.5609, 20.2129, 21.8942



15.2635, 20.2129, 10.5553



13.3611, 20.2129, 22.1230

Sweetspot

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



23.7889, 20.2137, 39.6940



58.9266, 58.6606, 75.4419



23.4651, 25.5116, 40.7336



12.6113, 12.4547, 16.3914



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.7889, 20.2137, 39.6940



39.1693, 31.3197, 71.2060



28.9276, 22.8628, 39.9344



7.4693, 7.4745, 9.4674



8.0551, 3.5360, 28.2335



0.2552, 0.1166, 0.6897

Inverse Universe

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



26.8620, 22.0591, 28.0424



45.7648, 35.2811, 46.1577



23.9126, 32.7699, 20.6887



7.6845, 7.6037, 8.6558



13.4748, 6.7986, 7.3120



0.3536, 0.1757, 0.3136

Previews

White Background



This preview shows how the XYZ color 23.7882, 20.2129, 39.6935 looks on a white background.

Color Contrast Check

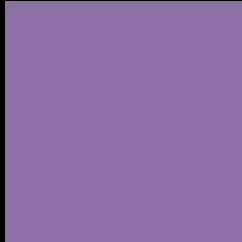
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7882, 20.2129, 39.6935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

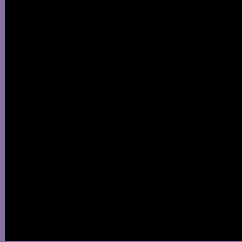
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7882, 20.2129, 39.6935

Background



This preview shows how black text looks on a background with the XYZ color 23.7882, 20.2129, 39.6935.



This preview shows how white text looks on a background with the XYZ color 23.7882, 20.2129,

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

23.7882, 20.2129, 39.6935

Protanopia

21.0052, 20.4492, 43.3974

Deuteranopia

20.6525, 20.1830, 38.8836



Tritanopia

20.6982, 20.3548, 23.9570

Trichromacy



Original Color

23.7882, 20.2129, 39.6935

Protanomaly

21.7889, 20.1653, 41.7736

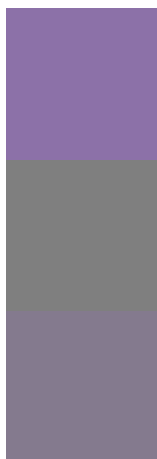
Deuteranomaly

21.7403, 20.1946, 39.3113

Tritanomaly

21.6658, 20.2047, 29.1435

Monochromacy



Original Color

23.7882, 20.2129, 39.6935

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.3577, 20.7776, 28.4760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7882, 20.2129, 39.6935 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(140, 113, 168)` looks like.

```
.text, #text, p{  
    color:rgb(140, 113, 168)  
}
```

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(140, 113, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 113, 168) }
```

Border

The CSS property to change the border of an element to XYZ 23.7882, 20.2129, 39.6935 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(140, 113, 168) }
```


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

```
.border{ border-color:rgb(140, 113, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 113, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 113, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 113, 168);  
box-shadow:4px 4px 4px 4px rgb(140, 113,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7882, 20.2129, 39.6935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 113, 168) }
```

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

```
.background{ background-color: rgb(140,  
113, 168) }
```

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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