

Converting Colors

XYZ(23.2344, 19.4205, 37.8724)

Have a look what the booklet for
XYZ(23.2344, 19.4205, 37.8724)
contains.

XYZ(23.2613, 19.4949, 37.6589)	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(23.2613, 19.4949,
37.6589)**

Conversions

Conversions Part 1

Format	Color
Hex	8D6EA4
RGB	141, 110, 164
RGB Percent	55%, 43%, 64%
CMY	0.4471, 0.5686, 0.3569
CMYK	0.14, 0.33, 0.00, 0.36
HSL	274°, 23%, 54%
HSV	274°, 33%, 64%
XYZ	23.2613, 19.4949, 37.6589
YIQ	125.4250, 1.1420, 23.3660

Conversions

Conversions Part 2

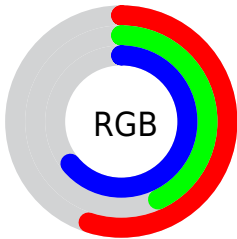
Format	Color
R_{YB}	141, 110, 164
Decimal	9268900
CIE _{Lab}	51.26, 22.83, -24.42
CIE _{LCh}	51, 33.433, 313.076
Yxy	19.4949, 0.2893, 0.2424
Android (android.graphics.Color)	4287458980 (0xFF8D6EA4)
YUV	125.4250, 19.0175, 13.6593
Hunter-Lab	44.1530, 16.7720, -19.6624

Details

The XYZ color **23.2613, 19.4949, 37.6589** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.7634, 32.6637, 19.6995**, and the grayscale version is **19.5744, 20.5938, 22.4266**.

A 20% lighter version of the original color is **48.2122, 42.5572, 72.6911**, and **8.8637, 6.7888, 16.1724** is the 20% darker color. If you saturate the color by 10%, you get **20.5025, 15.6850, 37.0692**, and if you desaturate by 10%, it is **26.4238, 24.0000, 38.3621**.

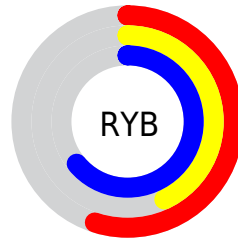
Distribution



Red (55%)

Green (43%)

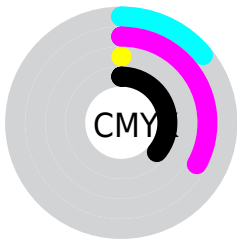
Blue (64%)



Red (55%)

Yellow (43%)

Blue (64%)

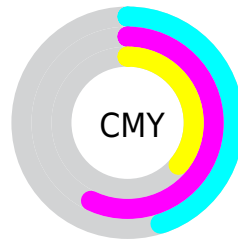


Cyan (14%)

Magenta (33%)

Yellow (0%)

Black (36%)



Cyan (45%)

Magenta (57%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2613, 19.4949, 37.6589 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 23.2613, 19.4949, 37.6589 by changing the saturation by 10% instead.

■ 23.2613, 19.4949,
37.6589

■ 23.2613, 19.4949,
37.6589

261.5746,
249.1674, 351.4087

■ 14.9083, 12.0284,
25.4183

■ 48.2855, 42.5687,
72.7826

■ 8.8410, 6.7630,
16.1671

■ 65.6875, 58.9448,
96.5028

■ 4.6939, 3.3144,
9.4868

■ 86.8365, 79.0596,
124.8866

■ 2.1017, 1.2980,
4.9590

■ 112.0979,
103.2975, 158.3526

■ 0.6901, 0.1396,
2.1649

141.8371,
132.0428, 197.3192

■ 0.0000, 0.0000,
0.6540

176.4193,

■ 0.0000, 0.0000,

165.6800, 242.2051

0.0000

216.2101,
204.5934, 293.4287

■ 23.2613, 19.4949,
37.6589

■ 23.2613, 19.4949,
37.6589

■ 20.5025, 15.6850,
37.0692

■ 26.4238, 24.0000,
38.3621

■ 18.1261, 12.5310,
36.5857

■ 30.0060, 29.2320,
39.1832

■ 16.1113, 9.9932,
36.2020

■ 34.0256, 35.2235,
40.1278

■ 14.4346, 8.0266,
35.9108

■ 38.4984, 42.0043,
41.2009

■ 13.0691, 6.5798,
35.7035

■ 43.4394, 49.6027,
42.4071

■ 11.9831, 5.5915,
35.5700

■ 48.8630, 58.0456,
43.7509

■ 11.3323, 5.0679,
35.5033

■ 54.7827, 67.3586,
45.2365

■ 61.2119, 77.5660,
46.8679

■ 67.3267, 87.0192,
48.3702

Harmonies

Analogous

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



20.0178, 19.4949, 44.6013



23.2613, 19.4949, 37.6589



25.3636, 19.4949, 27.0318

Triad

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



23.2613, 19.4949, 37.6589



20.4587, 19.4949, 8.0618



12.9603, 19.4949, 25.6572

Complementary

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



23.2613, 19.4949, 37.6589



25.7634, 32.6637, 19.6995

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.



13.0483, 19.4949, 16.3184



23.2613, 19.4949, 37.6589



17.1165, 19.4949, 7.8957

Square

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



23.2613, 19.4949, 37.6589



23.6172, 19.4949, 10.9949



14.4870, 19.4949, 10.4423



14.2303, 19.4949, 36.3961

Rectangle

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



23.2613, 19.4949, 37.6589



25.6958, 19.4949, 20.2565



14.4870, 19.4949, 10.4423



12.8370, 19.4949, 22.2272

Sweetspot

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



23.2619, 19.4957, 37.6593



56.3825, 55.8980, 71.5701



21.5743, 22.8809, 38.4017



12.1211, 11.9162, 15.5987



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.



23.2619, 19.4957, 37.6593



38.2432, 29.8699, 67.5022



27.2665, 21.5972, 36.1735



7.0715, 7.0512, 8.8914



8.7443, 3.9143, 27.2244



0.2362, 0.1093, 0.5745

Inverse Universe

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



25.1200, 20.7386, 24.8700



42.3699, 32.6177, 39.6663



22.7210, 31.0722, 20.6013



7.1931, 7.1337, 8.0034



12.6058, 6.3984, 5.1148



0.2883, 0.1438, 0.2309

Previews

White Background



This preview shows how the XYZ color 23.2613, 19.4949, 37.6589 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 23.2613, 19.4949, 37.6589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

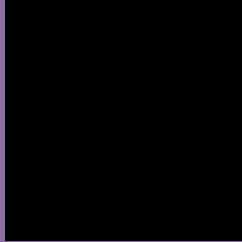
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2613, 19.4949, 37.6589

Background



This preview shows how black text looks on a background with the XYZ color 23.2613, 19.4949, 37.6589.



This preview shows how white text looks on a background with the XYZ color 23.2613, 19.4949,

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

23.2613, 19.4949, 37.6589

Protanopia

20.2276, 19.7175, 41.7695

Deuteranopia

19.9201, 19.4863, 36.8937



Tritanopia

20.1837, 19.4058, 22.7606

Trichromacy



Original Color

23.2613, 19.4949, 37.6589

Protanomaly

21.1305, 19.5091, 40.1881

Deuteranomaly

21.0246, 19.3461, 37.2764

Tritanomaly

21.0675, 19.2464, 27.4155

Monochromacy



Original Color

23.2613, 19.4949, 37.6589

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.7367, 20.1223, 27.2171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2613, 19.4949, 37.6589 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(141, 110, 164)` looks like.

```
.text, #text, p{  
    color:rgb(141, 110, 164)  
}
```

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(141, 110, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 110, 164) }
```

Border

The CSS property to change the border of an element to XYZ 23.2613, 19.4949, 37.6589 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(141, 110, 164) }
```


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

```
.border{ border-color:rgb(141, 110, 164) }
```

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

Here you see how a box with a 4 pixel rgb(141, 110, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 110, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 110, 164);  
box-shadow:4px 4px 4px 4px rgb(141, 110,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2613, 19.4949, 37.6589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 110, 164) }
```

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

```
.background{ background-color: rgb(141,  
110, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor