

Converting Colors

XYZ(23.9583, 22.6066, 37.7516)

Have a look what the booklet for
XYZ(23.9583, 22.6066, 37.7516)
contains.

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Color

**XYZ(24.0634, 22.7169,
37.7669)**

Conversions

Conversions Part 1

Format	Color
Hex	877EA3
RGB	135, 126, 163
RGB Percent	53%, 49%, 64%
CMY	0.4706, 0.5059, 0.3608
CMYK	0.17, 0.23, 0.00, 0.36
HSL	255°, 17%, 57%
HSV	255°, 23%, 64%
XYZ	24.0634, 22.7169, 37.7669
YIQ	132.9090, -6.5130, 13.4150

Conversions

Conversions Part 2

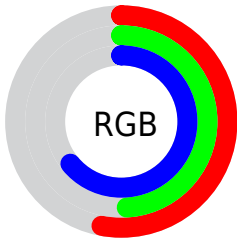
Format	Color
RYB	135, 126, 163
Decimal	8879779
CIELab	54.78, 11.22, -18.49
CIELCh	55, 21.629, 301.259
Yxy	22.7169, 0.2846, 0.2687
Android (android.graphics.Color)	4287069859 (0xFF877EA3)
YUV	132.9090, 14.8349, 1.8338
Hunter-Lab	47.6622, 6.7110, -13.6170

Details

The XYZ color **24.0634, 22.7169, 37.7669** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.1902, 34.5713, 24.8213**, and the grayscale version is **22.2112, 23.3680, 25.4477**.

A 20% lighter version of the original color is **49.7613, 48.1210, 72.9952**, and **9.2694, 8.3867, 16.1692** is the 20% darker color. If you saturate the color by 10%, you get **20.2756, 17.9186, 37.0407**, and if you desaturate by 10%, it is **28.4223, 28.3149, 38.6180**.

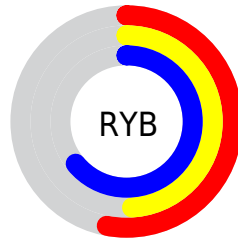
Distribution



Red (53%)

Green (49%)

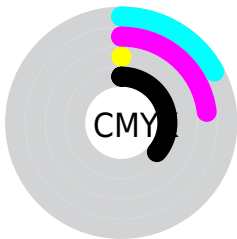
Blue (64%)



Red (53%)

Yellow (49%)

Blue (64%)

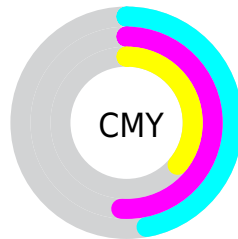


Cyan (17%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0634, 22.7169, 37.7669 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 24.0634, 22.7169, 37.7669 by changing the saturation by 10% instead.

■ 24.0634, 22.7169,
37.7669

■ 24.0634, 22.7169,
37.7669

265.5754,
266.2676, 351.8871

■ 15.5056, 14.3846,
25.5014

■ 49.5876, 47.9281,
72.9502

■ 9.2636, 8.3887,
16.2286

■ 67.2847, 65.5757,
96.7050

■ 4.9720, 4.3446,
9.5300

■ 88.7590, 87.0973,
125.1267

■ 2.2654, 1.8682,
4.9869

114.3758,
112.8772, 158.6338

■ 0.7769, 0.5291,
2.1810

144.5005,
143.2997, 197.6449

■ 0.0000, 0.0000,
0.6634

179.4984,

■ 0.0000, 0.0000,

178.7494, 242.5784

0.0000

219.7349,
219.6105, 293.8530

■ 24.0634, 22.7169,
37.7669

■ 24.0634, 22.7169,
37.7669

■ 20.2756, 17.9186,
37.0407

■ 28.4223, 28.3149,
38.6180

■ 17.0324, 13.8802,
36.4322

■ 33.3727, 34.7442,
39.5981

■ 14.3085, 10.5629,
35.9354

■ 38.9370, 42.0381,
40.7127

■ 12.0757, 7.9232,
35.5436

■ 45.1356, 50.2274,
41.9667

■ 10.3028, 5.9126,
35.2490

■ 51.9878, 59.3412,
43.3647

■ 8.9548, 4.4763,
35.0428

■ 59.5122, 69.4073,
44.9111

■ 7.9912, 3.5494,
34.9147

■ 67.7268, 80.4525,
46.6100

■ 7.4724, 3.0885,
34.8530

■ 76.1992, 91.6035,
48.3159

■ 80.3840, 93.7608,
48.5117

Harmonies

Analogous

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



21.6928, 22.7169, 40.3510



24.0634, 22.7169, 37.7669



25.8737, 22.7169, 31.6133

Triad

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



24.0634, 22.7169, 37.7669



23.8761, 22.7169, 14.9025



17.3183, 22.7169, 25.0249

Complementary

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



24.0634, 22.7169, 37.7669



30.1902, 34.5713, 24.8213

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.



17.8104, 22.7169, 18.9343



24.0634, 22.7169, 37.7669



21.4910, 22.7169, 13.7784

Square

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



24.0634, 22.7169, 37.7669



25.7601, 22.7169, 18.5187



19.2954, 22.7169, 15.1095



17.8992, 22.7169, 32.2063

Rectangle

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



24.0634, 22.7169, 37.7669



26.4561, 22.7169, 26.7879



19.2954, 22.7169, 15.1095



17.3634, 22.7169, 22.7894

Sweetspot

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



24.0641, 22.7178, 37.7674



55.7049, 56.9330, 70.1093



26.8320, 30.3131, 39.0876



12.4007, 12.6435, 15.7244



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.



24.0641, 22.7178, 37.7674



39.7132, 36.3832, 66.9857



27.2345, 24.3522, 37.9158



6.8544, 6.9393, 8.8812



5.8431, 2.4187, 27.0887



0.1623, 0.0712, 0.5710

Inverse Universe

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



28.3985, 25.0422, 33.9094



48.8539, 41.2889, 58.6699



26.9955, 32.9244, 24.6718



7.2903, 7.1726, 8.5153



14.5531, 7.1773, 15.3690



0.3226, 0.1575, 0.4116

Previews

White Background



This preview shows how the XYZ color 24.0634, 22.7169, 37.7669 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 24.0634, 22.7169, 37.7669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

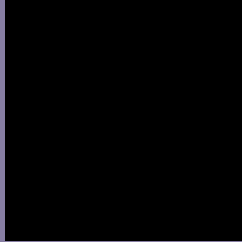
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.0634, 22.7169, 37.7669

Background



This preview shows how black text looks on a background with the XYZ color 24.0634, 22.7169, 37.7669.



This preview shows how white text looks on a background with the XYZ color 24.0634, 22.7169,

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

24.0634, 22.7169, 37.7669

Protanopia

22.8916, 22.8560, 39.2815

Deuteranopia

23.2321, 22.6719, 37.8020



Tritanopia

22.0763, 22.6840, 28.0258

Trichromacy



Original Color

24.0634, 22.7169, 37.7669

Protanomaly

23.3942, 22.9292, 38.7901

Deuteranomaly

23.5603, 22.6484, 37.7801

Tritanomaly

22.7113, 22.7442, 31.2100

Monochromacy



Original Color

24.0634, 22.7169, 37.7669

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.8482, 23.0472, 29.6299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0634, 22.7169, 37.7669 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(135, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(135, 126, 163)  
}
```

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(135, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 126, 163) }
```

Border

The CSS property to change the border of an element to XYZ 24.0634, 22.7169, 37.7669 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(135, 126, 163) }
```


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

```
.border{ border-color:rgb(135, 126, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 126, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(135, 126,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0634, 22.7169, 37.7669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 126, 163) }
```

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

```
.background{ background-color: rgb(135,  
126, 163) }
```

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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