

Converting Colors

XYZ(23.2179, 22.6921, 32.2020)

Have a look what the booklet for
XYZ(23.2179, 22.6921, 32.2020)
contains.

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Color

**XYZ(23.2159, 22.7912,
32.0297)**

Conversions

Conversions Part 1

Format	Color
Hex	878096
RGB	135, 128, 150
RGB Percent	53%, 50%, 59%
CMY	0.4706, 0.4980, 0.4118
CMYK	0.10, 0.15, 0.00, 0.41
HSL	259°, 9%, 55%
HSV	259°, 15%, 59%
XYZ	23.2159, 22.7912, 32.0297
YIQ	132.6010, -2.8900, 8.3260

Conversions

Conversions Part 2

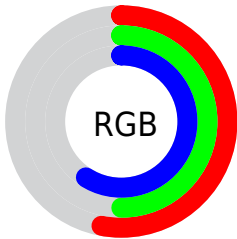
Format	Color
R_{YB}	135, 128, 150
Decimal	8880278
CIE Lab	54.86, 7.13, -10.85
CIE LCh	55, 12.982, 303.331
Yxy	22.7912, 0.2975, 0.2921
Android (android.graphics.Color)	4287070358 (0xFF878096)
YUV	132.6010, 8.5777, 2.1039
Hunter-Lab	47.7401, 3.2589, -6.3606

Details

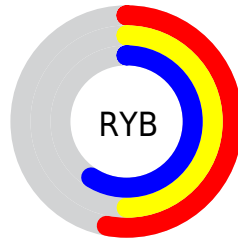
The XYZ color **23.2159, 22.7912, 32.0297** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.1310, 29.2114, 24.6842**, and the grayscale version is **22.1206, 23.2726, 25.3438**.

A 20% lighter version of the original color is **48.1620, 48.0987, 63.8723**, and **8.7944, 8.4241, 12.9669** is the 20% darker color. If you saturate the color by 10%, you get **19.8350, 18.3559, 31.3521**, and if you desaturate by 10%, it is **27.0455, 27.8884, 32.8121**.

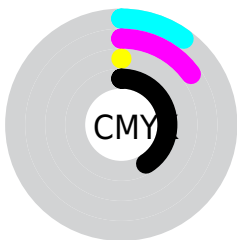
Distribution



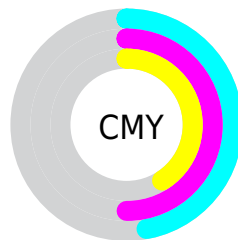
- Red (53%)
- Green (50%)
- Blue (59%)



- Red (53%)
- Yellow (50%)
- Blue (59%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (41%)



- Cyan (47%)
- Magenta (50%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2159, 22.7912, 32.0297 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 23.2159, 22.7912, 32.0297 by changing the saturation by 10% instead.

■ 23.2159, 22.7912,
32.0297

■ 23.2159, 22.7912,
32.0297

261.3466,
266.6507, 325.7514

■ 14.8746, 14.4394,
21.1192

■ 48.2116, 48.0503,
63.9561

■ 8.8172, 8.4269,
13.0191

■ 65.5968, 65.7263,
85.8090

■ 4.6783, 4.3693,
7.3108

■ 86.7272, 87.2792,
112.1466

■ 2.0926, 1.8822,
3.5758

111.9683,
113.0934, 143.3872

■ 0.6852, 0.5377,
1.3957

141.6855,
143.5533, 179.9494

■ 0.0000, 0.0000,
0.1383

176.2440,

■ 0.0000, 0.0000,

179.0432, 222.2519

0.0000

216.0093,
219.9475, 270.7130

■ 23.2159, 22.7912,
32.0297

■ 23.2159, 22.7912,
32.0297

■ 19.8350, 18.3559,
31.3521

■ 27.0455, 27.8884,
32.8121

■ 16.8838, 14.5521,
30.7735

■ 31.3379, 33.6706,
33.7019

■ 14.3446, 11.3511,
30.2895

■ 36.1091, 40.1633,
34.7037

■ 12.1978, 8.7211,
29.8950

■ 41.3736, 47.3897,
35.8210

■ 10.4223, 6.6270,
29.5843

■ 47.1455, 55.3721,
37.0576

■ 8.9944, 5.0299,
29.3513

■ 53.4380, 64.1317,
38.4167

■ 7.8876, 3.8852,
29.1887

■ 60.2641, 73.6890,
39.9017

■ 7.0697, 3.1375,
29.0875

■ 67.6362, 84.0636,
41.5156

■ 6.7111, 2.8237,
29.0458

■ 72.9595, 90.0611,
42.3927

Harmonies

Analogous

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



21.8233, 22.7912, 33.5809



23.2159, 22.7912, 32.0297



24.2257, 22.7912, 28.5385

Triad

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



23.2159, 22.7912, 32.0297



22.9260, 22.7912, 18.3964



19.0201, 22.7912, 25.2783

Complementary

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



23.2159, 22.7912, 32.0297



26.1310, 29.2114, 24.6842

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.



19.2865, 22.7912, 21.4317



23.2159, 22.7912, 32.0297



21.5022, 22.7912, 17.7263

Square

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



23.2159, 22.7912, 32.0297



24.0532, 22.7912, 20.7177



20.1797, 22.7912, 18.7755



19.4354, 22.7912, 29.4214

Rectangle

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



23.2159, 22.7912, 32.0297



24.5234, 22.7912, 25.7458



20.1797, 22.7912, 18.7755



19.0329, 22.7912, 23.9083

Sweetspot

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



23.2166, 22.7922, 32.0302



48.1502, 49.7809, 57.9921



24.2353, 26.4468, 32.6819



10.5597, 10.8834, 12.8290



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.2166, 22.7922, 32.0302



38.6796, 37.2011, 56.0632



25.0730, 23.7492, 32.1171



5.6629, 5.7172, 7.2748



5.5964, 2.3576, 24.0911



0.0965, 0.0433, 0.2962

Inverse Universe

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



25.2554, 23.9064, 29.2707



43.0967, 39.6167, 50.0122



24.3243, 28.2800, 24.5996



5.9576, 5.8781, 6.8828



12.4471, 6.1839, 11.1012



0.1658, 0.0811, 0.2066

Previews

White Background



This preview shows how the XYZ color 23.2159, 22.7912, 32.0297 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 23.2159, 22.7912, 32.0297 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

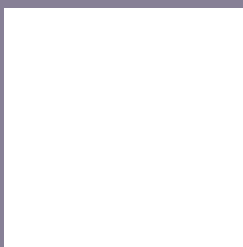
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2159, 22.7912, 32.0297

Background



This preview shows how black text looks on a background with the XYZ color 23.2159, 22.7912, 32.0297.



This preview shows how white text looks on a background with the XYZ color 23.2159, 22.7912,

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

23.2159, 22.7912, 32.0297

Protanopia

22.4706, 22.7888, 32.4925

Deuteranopia

23.2159, 22.7912, 32.0297



Tritanopia

22.3891, 22.8453, 28.0405

Trichromacy



Original Color

23.2159, 22.7912, 32.0297

Protanomaly

22.7962, 22.7602, 32.4698

Deuteranomaly

23.2159, 22.7912, 32.0297

Tritanomaly

22.7158, 22.7825, 29.5858

Monochromacy



Original Color

23.2159, 22.7912, 32.0297

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.6080, 23.1650, 27.7058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2159, 22.7912, 32.0297 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, 128, 150)` looks like.

```
.text, #text, p{  
    color:rgb(135, 128, 150)  
}
```

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, 128, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 128, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.2159, 22.7912, 32.0297 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, 128, 150) }
```


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

```
.border{ border-color:rgb(135, 128, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 128, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 128, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 128, 150);  
box-shadow:4px 4px 4px 4px rgb(135, 128,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2159, 22.7912, 32.0297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 128, 150) }
```

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

```
.background{ background-color: rgb(135,  
128, 150) }
```

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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