

Converting Colors

XYZ(17.1931, 13.1318, 23.6749)

Have a look what the booklet for
XYZ(17.1931, 13.1318, 23.6749)
contains.

XYZ(17.2355, 13.1024, 23.8109)	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(17.2355, 13.1024,
23.8109)**

Conversions

Conversions Part 1

Format	Color
Hex	865485
RGB	134, 84, 133
RGB Percent	53%, 33%, 52%
CMY	0.4745, 0.6706, 0.4784
CMYK	0.00, 0.37, 0.01, 0.47
HSL	301°, 23%, 43%
HSV	301°, 37%, 53%
XYZ	17.2355, 13.1024, 23.8109
YIQ	104.5360, 14.0710, 25.8390

Conversions

Conversions Part 2

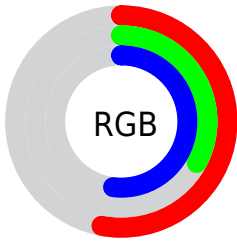
Format	Color
RYB	134, 84, 133
Decimal	8803461
CIELab	42.92, 29.05, -18.91
CIELCh	43, 34.668, 326.937
Yxy	13.1024, 0.3183, 0.2420
Android (android.graphics.Color)	4286993541 (0xFF865485)
YUV	104.5360, 14.0328, 25.8399
Hunter-Lab	36.1972, 21.6485, -13.6635

Details

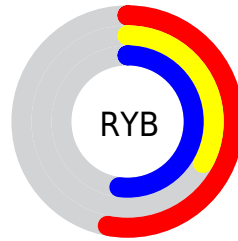
The XYZ color **17.2355, 13.1024, 23.8109** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.8215, 19.5914, 11.6481**, and the grayscale version is **13.2631, 13.9538, 15.1957**.

A 20% lighter version of the original color is **38.2659, 31.5645, 50.5301**, and **5.7902, 3.7867, 8.6093** is the 20% darker color. If you saturate the color by 10%, you get **16.2749, 11.2106, 23.3995**, and if you desaturate by 10%, it is **18.3960, 15.3934, 24.2894**.

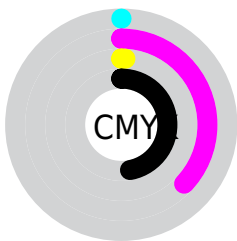
Distribution



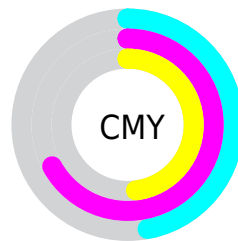
- Red (53%)
- Green (33%)
- Blue (52%)



- Red (53%)
- Yellow (33%)
- Blue (52%)



- Cyan (0%)
- Magenta (37%)
- Yellow (1%)
- Black (47%)



- Cyan (47%)
- Magenta (67%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2355, 13.1024, 23.8109 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 17.2355, 13.1024, 23.8109 by changing the saturation by 10% instead.

■ 17.2355, 13.1024,
23.8109

■ 17.2355, 13.1024,
23.8109

229.6557,
211.5729, 285.1188

■ 10.4989, 7.4991,
14.9825

■ 38.2706, 31.4876,
50.6614

■ 5.7958, 3.7761,
8.6606

■ 53.2998, 45.0383,
69.5206

■ 2.7608, 1.5491,
4.4267

■ 71.8240, 62.0070,
92.5604

■ 1.0285, 0.3229,
1.8622

■ 94.2084, 82.7779,
120.1995

■ 0.0000, 0.0000,
0.4685

■ 120.8184,
107.7356, 152.8563

■ 0.0000, 0.0000,
0.0000

152.0194,

137.2644, 190.9495

188.1767,
171.7487, 234.8974

■ 17.2355, 13.1024,
23.8109

■ 17.2355, 13.1024,
23.8109

■ 16.2749, 11.2106,
23.3995

■ 18.3960, 15.3934,
24.2894

■ 15.5016, 9.6934,
23.0507

■ 19.7655, 18.1027,
24.8377

■ 14.9033, 8.5264,
22.7604

■ 21.3543, 21.2505,
25.4593

■ 14.4661, 7.6814,
22.5241

■ 23.1716, 24.8550,
26.1573

■ 14.1738, 7.1260,
22.3362

■ 25.2258, 28.9335,
26.9345

■ 13.9941, 6.7960,
22.1862

■ 27.5252, 33.5023,
27.7937

■ 13.9501, 6.7158,
22.1473

■ 30.0776, 38.5770,
28.7375

■ 32.8905, 44.1724,
29.7683

■ 35.9708, 50.3028,
30.8885

Harmonies

Analogous

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



14.9098, 13.1024, 31.6521



17.2355, 13.1024, 23.8109



18.2722, 13.1024, 15.0610

Triad

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



17.2355, 13.1024, 23.8109



12.7279, 13.1024, 4.0866



8.4375, 13.1024, 21.9591

Complementary

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



17.2355, 13.1024, 23.8109



13.8215, 19.5914, 11.6481

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.



8.0232, 13.1024, 13.5000



17.2355, 13.1024, 23.8109



10.2829, 13.1024, 4.8046

Square

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



17.2355, 13.1024, 23.8109



15.4483, 13.1024, 5.1923



8.6494, 13.1024, 7.6891



9.8730, 13.1024, 30.3430

Rectangle

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



17.2355, 13.1024, 23.8109



17.9974, 13.1024, 10.4201



8.6494, 13.1024, 7.6891



8.1839, 13.1024, 18.9587

Sweetspot

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



17.2359, 13.1030, 23.8112



36.4762, 35.1667, 44.4098



11.2051, 9.9860, 23.8916



8.1467, 7.7819, 9.9773



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.2359, 13.1030, 23.8112



28.8787, 20.1535, 41.3162



15.7180, 12.4958, 15.8180



4.8540, 4.7613, 5.8433



13.0736, 6.2938, 20.7575



0.0456, 0.0219, 0.0736

Inverse Universe

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



17.2359, 13.1030, 23.8112



28.8787, 20.1535, 41.3162



14.9872, 20.0577, 17.7865



4.8540, 4.7613, 5.8433



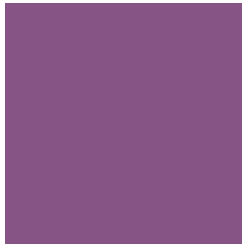
13.0736, 6.2938, 20.7575



0.0456, 0.0219, 0.0736

Previews

White Background



This preview shows how the XYZ color 17.2355, 13.1024, 23.8109 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2355, 13.1024, 23.8109 looks on a black 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

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

XYZ 17.2355, 13.1024, 23.8109

Background



This preview shows how black text looks on a background with the XYZ color 17.2355, 13.1024, 23.8109.



This preview shows how white text looks on a background with the XYZ color 17.2355, 13.1024,

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

17.2355, 13.1024, 23.8109

Protanopia

13.5985, 13.1849, 28.6163

Deuteranopia

13.5162, 13.2674, 22.9676



Tritanopia

14.9990, 13.0311, 13.2800

Trichromacy



Original Color

17.2355, 13.1024, 23.8109

Protanomaly

14.5193, 12.8716, 26.9185

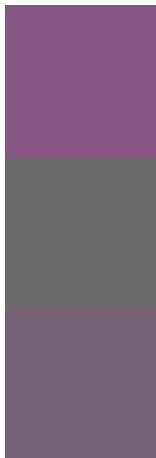
Deuteranomaly

14.5298, 12.9591, 23.2083

Tritanomaly

15.7190, 12.9524, 16.7105

Monochromacy



Original Color

17.2355, 13.1024, 23.8109

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.5717, 13.5002, 18.0574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2355, 13.1024, 23.8109 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(134, 84, 133)` looks like.

```
.text, #text, p{  
    color:rgb(134, 84, 133)  
}
```

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(134, 84, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 84, 133) }
```

Border

The CSS property to change the border of an element to XYZ 17.2355, 13.1024, 23.8109 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(134, 84, 133) }
```


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

```
.border{ border-color:rgb(134, 84, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 84, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 84, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 84, 133);  
box-shadow:4px 4px 4px 4px rgb(134, 84,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2355, 13.1024, 23.8109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 84, 133) }
```

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

```
.background{ background-color: rgb(134, 84,  
133) }
```

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