

Converting Colors

XYZ(13.3717, 12.4920, 17.8508)

Have a look what the booklet for
XYZ(13.3717, 12.4920, 17.8508)
contains.

XYZ(13.4039, 12.4944, 17.9249)	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(13.4039, 12.4944,
17.9249)**

Conversions

Conversions Part 1

Format	Color
Hex	6D5E73
RGB	109, 94, 115
RGB Percent	43%, 37%, 45%
CMY	0.5725, 0.6314, 0.5490
CMYK	0.05, 0.18, 0.00, 0.55
HSL	283°, 10%, 41%
HSV	283°, 18%, 45%
XYZ	13.4039, 12.4944, 17.9249
YIQ	100.8790, 2.1990, 9.7110

Conversions

Conversions Part 2

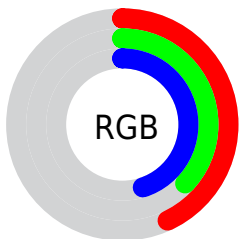
Format	Color
R_{YB}	109, 94, 115
Decimal	7167603
CIE Lab	41.99, 10.29, -9.63
CIE LCh	42, 14.094, 316.913
Yxy	12.4944, 0.3059, 0.2851
Android (android.graphics.Color)	4285357683 (0xFF6D5E73)
YUV	100.8790, 6.9617, 7.1221
Hunter-Lab	35.3474, 5.8300, -5.3231

Details

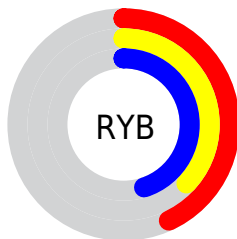
The XYZ color **13.4039, 12.4944, 17.9249** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4071, 15.7793, 12.9293**, and the grayscale version is **12.3210, 12.9626, 14.1163**.

A 20% lighter version of the original color is **31.6463, 30.3136, 40.7424**, and **3.9945, 3.5113, 5.7774** is the 20% darker color. If you saturate the color by 10%, you get **12.0599, 10.3952, 17.5907**, and if you desaturate by 10%, it is **14.9161, 14.9072, 18.3111**.

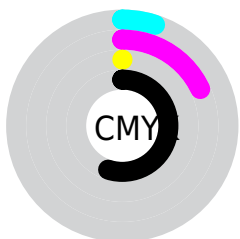
Distribution



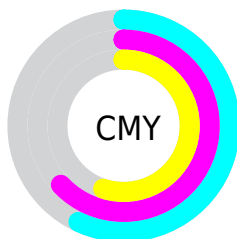
- Red (43%)
- Green (37%)
- Blue (45%)



- Red (43%)
- Yellow (37%)
- Blue (45%)



- Cyan (5%)
- Magenta (18%)
- Yellow (0%)
- Black (55%)



- Cyan (57%)
- Magenta (63%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4039, 12.4944, 17.9249 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 13.4039, 12.4944, 17.9249 by changing the saturation by 10% instead.

■ 13.4039, 12.4944,
17.9249

■ 13.4039, 12.4944,
17.9249

207.0759,
207.6514, 252.6693

■ 7.7862, 7.0813,
10.7272

■ 31.6227, 30.3924,
40.7215

■ 4.0091, 3.5130,
5.7719

■ 44.9545, 43.6461,
57.1575

■ 1.7073, 1.4051,
2.6403

■ 61.5883, 60.2822,
77.5100

■ 0.4608, 0.2205,
0.9132

■ 81.8896, 80.6850,
102.1976

■ 0.0000, 0.0000,
0.0000

106.2236,
105.2389, 131.6388

134.9558,

134.3284, 166.2521

168.4514,
168.3377, 206.4561

■ 13.4039, 12.4944,
17.9249

■ 13.4039, 12.4944,
17.9249

■ 12.0599, 10.3952,
17.5907

■ 14.9161, 14.9072,
18.3111

■ 10.8762, 8.5945,
17.3056

■ 16.6019, 17.6448,
18.7507

■ 9.8457, 7.0784,
17.0672

■ 18.4678, 20.7196,
19.2458

■ 8.9605, 5.8310,
16.8731

■ 20.5195, 24.1429,
19.7984

■ 8.2117, 4.8351,
16.7203

■ 22.7627, 27.9257,
20.4104

7.5896, 4.0712,
16.6057

25.2024, 32.0782,
21.0833

7.0827, 3.5171,
16.5255

27.8440, 36.6103,
21.8189

6.6584, 3.1073,
16.4687

30.6921, 41.5317,
22.6187

6.5866, 3.0381,
16.4591

33.7516, 46.8515,
23.4842

Harmonies

Analogous

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



12.4696, 12.4944, 19.8844



13.4039, 12.4944, 17.9249



13.9417, 12.4944, 14.9490

Triad

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



13.4039, 12.4944, 17.9249



12.3362, 12.4944, 8.7347



10.0554, 12.4944, 15.3476

Complementary

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



13.4039, 12.4944, 17.9249



13.4071, 15.7793, 12.9293

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.



10.0244, 12.4944, 12.3427



13.4039, 12.4944, 17.9249



11.3007, 12.4944, 8.8089

Square

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



13.4039, 12.4944, 17.9249



13.3013, 12.4944, 9.8203



10.4680, 12.4944, 10.0405



10.5555, 12.4944, 18.2534

Rectangle

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



13.4039, 12.4944, 17.9249



13.9835, 12.4944, 12.9235



10.4680, 12.4944, 10.0405



9.9909, 12.4944, 14.3086

Sweetspot

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



13.4043, 12.4949, 17.9252



27.6201, 28.1637, 33.0249



12.2971, 12.7900, 18.0405



6.5499, 6.6554, 7.8684



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.4043, 12.4949, 17.9252



22.9269, 20.6832, 31.8284



13.9316, 12.7940, 16.7168



3.7296, 3.7079, 4.6094



7.5082, 3.4620, 18.8151



35.7142, 16.4198, 91.6473

Inverse Universe

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



13.3736, 12.5709, 13.7787



22.8812, 20.8586, 22.8333



12.9613, 15.5271, 13.9193



3.7230, 3.7165, 4.0682



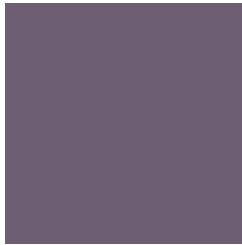
8.3858, 4.2880, 1.9737



40.5388, 20.7656, 7.9007

Previews

White Background



This preview shows how the XYZ color 13.4039, 12.4944, 17.9249 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 13.4039, 12.4944, 17.9249 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 13.4039, 12.4944, 17.9249

Background



This preview shows how black text looks on a background with the XYZ color 13.4039, 12.4944, 17.9249.



This preview shows how white text looks on a background with the XYZ color 13.4039, 12.4944,

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

13.4039, 12.4944, 17.9249

Protanopia

12.3570, 12.4763, 18.8964

Deuteranopia

12.7914, 12.5891, 17.6753



Tritanopia

12.7450, 12.4910, 14.8360

Trichromacy



Original Color

13.4039, 12.4944, 17.9249

Protanomaly

12.7411, 12.5431, 18.5791

Deuteranomaly

13.0458, 12.5839, 17.6609

Tritanomaly

12.9833, 12.4553, 15.9072

Monochromacy



Original Color

13.4039, 12.4944, 17.9249

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6781, 12.7190, 15.4225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4039, 12.4944, 17.9249 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(109, 94, 115)` looks like.

```
.text, #text, p{  
    color:rgb(109, 94, 115)  
}
```

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(109, 94, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 94, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.4039, 12.4944, 17.9249 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(109, 94, 115) }
```


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

```
.border{ border-color:rgb(109, 94, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 94, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 94, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 94, 115);  
box-shadow:4px 4px 4px 4px rgb(109, 94,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4039, 12.4944, 17.9249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 94, 115) }
```

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

```
.background{ background-color: rgb(109, 94,  
115) }
```

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