

Converting Colors

XYZ(13.8034, 12.7778, 20.4779)

Have a look what the booklet for
XYZ(13.8034, 12.7778, 20.4779)
contains.

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Color

**XYZ(13.8517, 12.8026,
20.4800)**

Conversions

Conversions Part 1

Format	Color
Hex	6C5F7B
RGB	108, 95, 123
RGB Percent	42%, 37%, 48%
CMY	0.5765, 0.6274, 0.5176
CMYK	0.12, 0.23, 0.00, 0.52
HSL	268°, 13%, 43%
HSV	268°, 23%, 48%
XYZ	13.8517, 12.8026, 20.4800
YIQ	102.0790, -1.2400, 11.4640

Conversions

Conversions Part 2

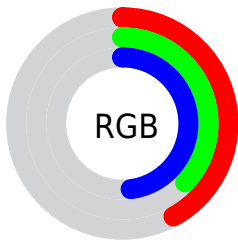
Format	Color
R_{YB}	108, 95, 123
Decimal	7102331
CIE _{Lab}	42.46, 11.12, -13.79
CIE _{LCh}	42, 17.717, 308.883
Yxy	12.8026, 0.2939, 0.2716
Android (android.graphics.Color)	4285292411 (0xFF6C5F7B)
YUV	102.0790, 10.3141, 5.1927
Hunter-Lab	35.7807, 6.4860, -8.8896

Details

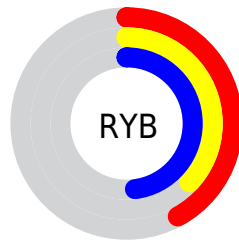
The XYZ color **13.8517, 12.8026, 20.4800** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.5793, 18.3075, 13.5396**, and the grayscale version is **12.6244, 13.2818, 14.4639**.

A 20% lighter version of the original color is **32.4591, 30.8590, 45.3199**, and **4.1978, 3.6517, 6.9622** is the 20% darker color. If you saturate the color by 10%, you get **12.0588, 10.3617, 20.1035**, and if you desaturate by 10%, it is **15.8810, 15.6258, 20.9182**.

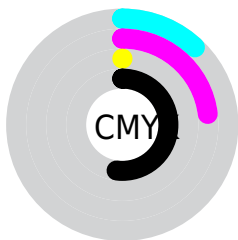
Distribution



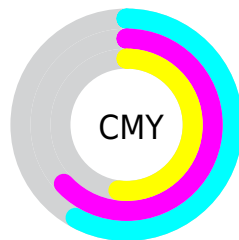
- Red (42%)
- Green (37%)
- Blue (48%)



- Red (42%)
- Yellow (37%)
- Blue (48%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (52%)



- Cyan (58%)
- Magenta (63%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8517, 12.8026, 20.4800 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 13.8517, 12.8026, 20.4800 by changing the saturation by 10% instead.

■ 13.8517, 12.8026,
20.4800

■ 13.8517, 12.8026,
20.4800

209.8354,
209.6487, 267.1916

■ 8.0986, 7.2928,
12.5569

■ 32.4141, 30.9487,
45.0900

■ 4.2104, 3.6459,
6.9970

■ 45.9542, 44.3537,
62.6140

■ 1.8219, 1.4775,
3.3818

■ 62.8206, 61.1593,
84.1753

■ 0.5308, 0.2728,
1.2927

■ 83.3787, 81.7497,
110.1926

■ 0.0000, 0.0000,
0.0558

107.9939,
106.5095, 141.0843

■ 0.0000, 0.0000,
0.0000

137.0315,

135.8230, 177.2690

170.8569,
170.0746, 219.1653

■ 13.8517, 12.8026,
20.4800

■ 13.8517, 12.8026,
20.4800

■ 12.0588, 10.3617,
20.1035

■ 15.8810, 15.6258,
20.9182

■ 10.4915, 8.2843,
19.7852

■ 18.1544, 18.8456,
21.4198

■ 9.1400, 6.5526,
19.5222

■ 20.6807, 22.4775,
21.9877

■ 7.9932, 5.1465,
19.3112

■ 23.4680, 26.5359,
22.6242

■ 7.0389, 4.0439,
19.1487

■ 26.5240, 31.0343,
23.3314

6.2635, 3.2196,
19.0304

29.8558, 35.9856,
24.1115

5.6506, 2.6434,
18.9515

33.4707, 41.4022,
24.9664

5.2686, 2.3030,
18.9060

37.3753, 47.2961,
25.8983

41.5762, 53.6787,
26.9088

Harmonies

Analogous

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



12.5691, 12.8026, 22.5360



13.8517, 12.8026, 20.4800



14.7231, 12.8026, 16.7592

Triad

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



13.8517, 12.8026, 20.4800



13.1167, 12.8026, 8.1460



9.8048, 12.8026, 15.1059

Complementary

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



13.8517, 12.8026, 20.4800



15.5793, 18.3075, 13.5396

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.



9.9279, 12.8026, 11.4559



13.8517, 12.8026, 20.4800



11.7765, 12.8026, 7.8659

Square

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



13.8517, 12.8026, 20.4800



14.2776, 12.8026, 9.8162



10.6275, 12.8026, 8.9653



10.2780, 12.8026, 19.0816

Rectangle

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



13.8517, 12.8026, 20.4800



14.9191, 12.8026, 14.0836



10.6275, 12.8026, 8.9653



9.7786, 12.8026, 13.7971

Sweetspot

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



13.8521, 12.8031, 20.4803



30.6595, 31.1156, 37.9466



13.9141, 15.1018, 20.9207



7.1791, 7.2691, 8.9278



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.8521, 12.8031, 20.4803



23.1798, 20.7008, 36.3306



15.6372, 13.7234, 20.5638



3.9580, 3.9762, 5.0021



5.4440, 2.3793, 19.5576



25.0059, 10.8530, 93.2467

Inverse Universe

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



15.0755, 13.5217, 16.5677



25.7923, 22.2360, 27.9419



14.0150, 17.5010, 13.4664



4.0797, 4.0476, 4.6172



9.4614, 4.7607, 5.7209



44.6985, 22.5357, 25.0059

Previews

White Background



This preview shows how the XYZ color 13.8517, 12.8026, 20.4800 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 13.8517, 12.8026, 20.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

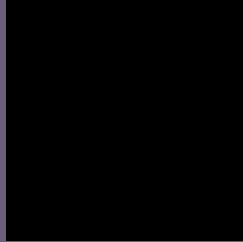
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8517, 12.8026, 20.4800

Background



This preview shows how black text looks on a background with the XYZ color 13.8517, 12.8026, 20.4800.



This preview shows how white text looks on a background with the XYZ color 13.8517, 12.8026,

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

13.8517, 12.8026, 20.4800

Protanopia

12.8438, 12.8097, 21.5342

Deuteranopia

13.0261, 12.7932, 20.1951



Tritanopia

12.7949, 12.7792, 15.4279

Trichromacy



Original Color

13.8517, 12.8026, 20.4800

Protanomaly

13.2149, 12.8687, 21.1894

Deuteranomaly

13.2670, 12.7793, 20.1798

Tritanomaly

13.1432, 12.7834, 17.1040

Monochromacy



Original Color

13.8517, 12.8026, 20.4800

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.9852, 12.9925, 16.5753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8517, 12.8026, 20.4800 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(108, 95, 123)` looks like.

```
.text, #text, p{  
    color:rgb(108, 95, 123)  
}
```

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(108, 95, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 95, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.8517, 12.8026, 20.4800 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(108, 95, 123) }
```


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

```
.border{ border-color:rgb(108, 95, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 95, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 95, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 95, 123);  
box-shadow:4px 4px 4px 4px rgb(108, 95,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8517, 12.8026, 20.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 95, 123) }
```

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

```
.background{ background-color: rgb(108, 95,  
123) }
```

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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