Converting Colors

XYZ(13.9798, 16.9438, 21.2726)

Have a look what the booklet for XYZ(13.9798, 16.9438, 21.2726) contains.

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Color

XYZ(13.9798, 16.9438, 21.2726)

Conversions

Conversions Part 1

Format	Color
Hex	53797B
RGB	83, 121, 123
RGB Percent	33%, 47%, 48%
CMY	0.6745, 0.5255, 0.5176
CMYK	0.33, 0.02, 0.00, 0.52
HSL	183°, 19%, 40%
HSV	183°, 33%, 48%
XYZ	13.9798, 16.9438, 21.2726
YIQ	109.8660, -23.2900, -7.4340

Conversions

Conversions Part 2

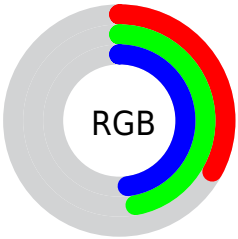
Format	Color
RYB	83, 102, 123
Decimal	5470587
CIELab	48.19, -12.75, -5.38
CIELCh	48, 13.835, 202.886
Yxy	16.9438, 0.2678, 0.3246
Android (android.graphics.Color)	4283660667 (0xFF53797B)
YUV	109.8660, 6.4751, -23.5615
Hunter-Lab	41.1628, -11.4125, -1.8266

Details

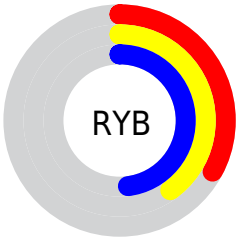
The XYZ color 13.9798, 16.9438, 21.2726 is a dark color, and the websafe version is hex 336666. A complement of this color would be 12.9784, 11.3326, 9.6873, and the grayscale version is 14.7698, 15.5390, 16.9220.

A 20% lighter version of the original color is 32.5129, 38.0506, 46.1883, and 4.2465, 5.4865, 7.3137 is the 20% darker color. If you saturate the color by 10%, you get 12.9151, 16.2848, 21.2018, and if you desaturate by 10%, it is 15.2385, 17.7044, 21.3533.

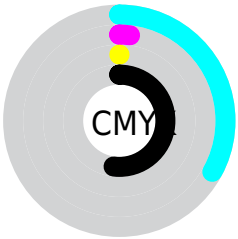
Distribution



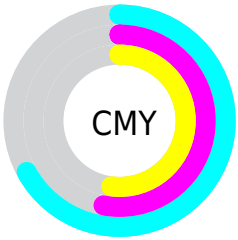
- Red (33%)
- Green (47%)
- Blue (48%)



- Red (33%)
- Yellow (40%)
- Blue (48%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)



- Cyan (67%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9798, 16.9438, 21.2726 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 13.9798, 16.9438, 21.2726 by changing the saturation by 10% instead.

13.9798, 16.9438, 21.2726

210.6183, 234.8483, 271.5522

32.6397, 38.2291, 46.4274

46.2388, 53.5339, 64.2770

63.1711, 72.4592, 86.1994

83.8020, 95.3895, 112.6131

108.4968, 122.7092, 143.9366

137.6209,

13.9798, 16.9438, 21.2726

8.1882, 10.1944, 13.1302

4.2684, 5.5281, 7.3865

1.8551, 2.5603, 3.6229

0.5505, 0.9068, 1.4208

0.0000, 0.0000, 0.1579

0.0000, 0.0000, 0.0000

154.8026, 180.5887

171.5396, 192.0542, 222.9877

13.9798, 16.9438, 21.2726

12.9151, 16.2848, 21.2018

12.0328, 15.7201, 21.1393

11.3222, 15.2447, 21.0850

10.7710, 14.8522, 21.0383

10.3653, 14.5353, 20.9985

13.9798, 16.9438, 21.2726

15.2385, 17.7044, 21.3533

16.6992, 18.5693, 21.4433

18.3712, 19.5439, 21.5433

20.2628, 20.6324, 21.6537

22.3818, 21.8389, 21.7749

10.0884, 14.2855, 20.9649

9.9196, 14.1189, 20.9416

24.7357, 23.1672, 21.9072

27.3316, 24.6209, 22.0510

30.1763, 26.2036, 22.2066

33.2764, 27.9187, 22.3742

Harmonies

Analogous

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

13.8243, 16.9438, 17.6052

13.9798, 16.9438, 21.2726

14.6903, 16.9438, 24.5346

Triad

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

13.9798, 16.9438, 21.2726

18.1089, 16.9438, 22.9467

16.4056, 16.9438, 12.3997

Complementary

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

13.9798, 16.9438, 21.2726

12.9784, 11.3326, 9.6873

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.

17.6068, 16.9438, 13.4632

13.9798, 16.9438, 21.2726

18.6228, 16.9438, 19.3192

Square

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

13.9798, 16.9438, 21.2726

17.0625, 16.9438, 25.5856

18.4344, 16.9438, 15.8869

15.1832, 16.9438, 12.7805

Rectangle

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

13.9798, 16.9438, 21.2726

15.4040, 16.9438, 25.8830

18.4344, 16.9438, 15.8869

16.8260, 16.9438, 12.5949

Sweetspot

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

13.9803, 16.9445, 21.2730

30.5506, 33.6317, 38.4380

12.2639, 16.6506, 11.0240

7.1167, 7.8748, 9.0480

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.

13.9803, 16.9445, 21.2730

23.5839, 29.4474, 37.9975

11.8615, 12.7068, 20.5667

4.0907, 4.4798, 5.0923

10.2604, 14.6033, 21.6632

48.7539, 69.2804, 103.2726

Inverse Universe

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

14.7132, 11.7783, 19.5879

25.1251, 18.7276, 34.4218

14.7140, 14.8037, 10.2659

4.1463, 4.0742, 4.9678

11.7623, 5.6811, 17.8371

56.0118, 27.0611, 84.5814

Previews

White Background

This preview shows how the XYZ color 13.9798, 16.9438, 21.2726 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 13.9798, 16.9438, 21.2726 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 13.9798, 16.9438, 21.2726

Background

This preview shows how black text looks on a background with the XYZ color 13.9798, 16.9438, 21.2726.

This preview shows how white text looks on a background with the XYZ color 13.9798, 16.9438,

21.2726.

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
13.9798, 16.9438, 21.2726

Protanopia
16.2454, 16.7631, 19.5189

Deuteranopia
17.1318, 16.8426, 21.7500

Tritanopia
14.4920, 16.9759, 23.6320

Trichromacy

Original Color
13.9798, 16.9438, 21.2726

Protanomaly
15.2291, 16.7304, 20.1959

Deuteranomaly
15.8322, 16.8425, 21.4853

Tritanomaly
14.2034, 16.8501, 22.5825

Monochromacy

Original Color
13.9798, 16.9438, 21.2726

Achromatopsia
14.8208, 15.5926, 16.9804

Achromatomaly
14.3674, 15.9818, 18.5472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9798, 16.9438, 21.2726 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(83, 121, 123) looks like.

```
.text, #text, p{
    color:rgb(83, 121, 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(83, 121, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 121, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.9798, 16.9438, 21.2726 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(83, 121, 123) }
```

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

```
.border{ border-color:rgb(83, 121, 123) }
```

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

Here you see how a box with a 4 pixel rgb(83, 121, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 121, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 121, 123); box-shadow:4px 4px 4px 4px rgb(83, 121, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9798, 16.9438, 21.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(83, 121, 123) }
```

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

```
.background{ background-color:rgb(83, 121, 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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