

Converting Colors

XYZ(13.8387, 21.2034, 24.5714)

Have a look what the booklet for
XYZ(13.8387, 21.2034, 24.5714)
contains.

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Color

**XYZ(13.8517, 21.2566,
24.4920)**

Conversions

Conversions Part 1

Format	Color
Hex	008F82
RGB	0, 143, 130
RGB Percent	0%, 56%, 51%
CMY	0.9999, 0.4392, 0.4902
CMYK	1.00, 0.00, 0.09, 0.44
HSL	175°, 100%, 28%
HSV	175°, 100%, 56%
XYZ	13.8517, 21.2566, 24.4920
YIQ	98.7610, -81.0550, -34.3590

Conversions

Conversions Part 2

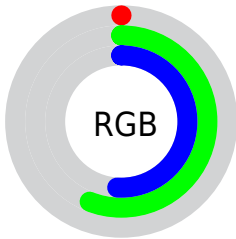
Format	Color
RYB	0, 75, 143
Decimal	36738
CIELab	53.23, -35.28, -2.27
CIELCh	53, 35.352, 183.685
Yxy	21.2566, 0.2324, 0.3567
Android (android.graphics.Color)	4278226818 (0xFF008F82)
YUV	98.7610, 15.4008, -86.6134
Hunter-Lab	46.1049, -27.0552, 0.7772

Details

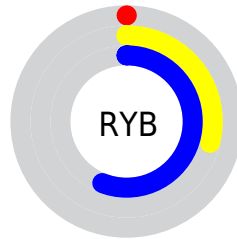
The XYZ color **13.8517, 21.2566, 24.4920** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.4010, 5.8693, 0.9133**, and the grayscale version is **11.7781, 12.3915, 13.4943**.

A 20% lighter version of the original color is **32.3512, 45.3298, 51.8442**, and **5.3123, 8.2484, 9.0967** is the 20% darker color. If you saturate the color by 10%, you get **13.8520, 21.2573, 24.4920**, and if you desaturate by 10%, it is **14.1260, 21.3884, 24.9638**.

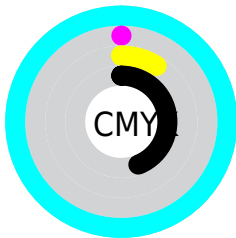
Distribution



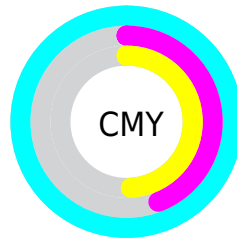
- Red (0%)
- Green (56%)
- Blue (51%)



- Red (0%)
- Yellow (29%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8517, 21.2566, 24.4920 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, 21.2566, 24.4920 by changing the saturation by 10% instead.

■ 13.8517, 21.2566,
24.4920

■ 13.8517, 21.2566,
24.4920

■ 209.8354,
258.6391, 288.6648

■ 8.0986, 13.3117,
15.4834

■ 32.4141, 45.5142,
51.7857

■ 4.2104, 7.6435,
9.0090

■ 45.9542, 62.5957,
70.9080

■ 1.8219, 3.8677,
4.6501

■ 62.8206, 83.4915,
94.2385

■ 0.5308, 1.5998,
1.9884

■ 83.3787, 108.5860,
122.1959

■ 0.0000, 0.3575,
0.5481

■ 107.9939,
138.2636, 155.1987

■ 0.0000, 0.0000,
0.0000

■ 137.0315,

172.9087, 193.6654

170.8569,
212.9057, 238.0146

■ 13.8517, 21.2566,
24.4920

■ 13.8517, 21.2566,
24.4920

■ 13.8520, 21.2573,
24.4920

■ 14.1260, 21.3884,
24.9638

■ 14.5248, 21.5837,
25.4468

■ 15.1118, 21.8758,
25.9444

■ 15.9099, 22.2768,
26.4577

■ 16.9391, 22.7967,
26.9876

■ 18.2168, 23.4446,
27.5350

■ 19.7590, 24.2286,
28.1007

■ 21.5800, 25.1564,
28.6853

■ 23.6934, 26.2347,
29.2896

Harmonies

Analogous

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



14.4265, 21.2566, 15.1729



13.8517, 21.2566, 24.4920



14.7984, 21.2566, 36.5271

Triad

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



13.8517, 21.2566, 24.4920



24.4538, 21.2566, 44.8206



23.5571, 21.2566, 9.1718

Complementary

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



13.8517, 21.2566, 24.4920



11.4010, 5.8693, 0.9133

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.



26.7872, 21.2566, 13.5099



13.8517, 21.2566, 24.4920



27.3481, 21.2566, 33.5107

Square

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



13.8517, 21.2566, 24.4920



20.6688, 21.2566, 50.3307



28.2502, 21.2566, 21.8480



19.7457, 21.2566, 8.0905

Rectangle

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



13.8517, 21.2566, 24.4920



16.2426, 21.2566, 43.9850



28.2502, 21.2566, 21.8480



24.7617, 21.2566, 10.2141

Sweetspot

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



13.8523, 21.2574, 24.4925



35.1912, 43.2902, 50.2561



10.0089, 19.7415, 3.2834



7.8203, 9.8003, 11.4363



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.8523, 21.2574, 24.4925



24.7731, 38.0541, 43.6862



8.2707, 8.6082, 27.2131



5.5394, 6.1080, 6.8064



12.2514, 18.7964, 21.6759



0.1211, 0.1813, 0.2283

Inverse Universe

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



11.4010, 5.8693, 0.9133



20.3868, 10.4981, 1.4791



12.8017, 8.7869, 1.0218



5.4276, 5.4316, 5.7496



10.0840, 5.1906, 0.8276



0.0996, 0.0509, 0.0245

Previews

White Background



This preview shows how the XYZ color 13.8517, 21.2566, 24.4920 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 13.8517, 21.2566, 24.4920 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 13.8517, 21.2566, 24.4920

Background



This preview shows how black text looks on a background with the XYZ color 13.8517, 21.2566, 24.4920.

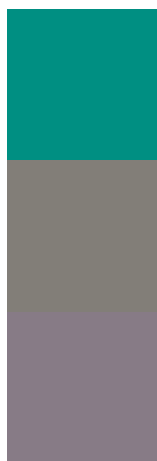


This preview shows how white text looks on a background with the XYZ color 13.8517, 21.2566,

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, 21.2566, 24.4920

Protanopia

20.0569, 21.0236, 20.7701

Deuteranopia

21.3777, 21.0380, 25.4883



Tritanopia

15.6916, 21.3656, 32.5751

Trichromacy



Original Color

13.8517, 21.2566, 24.4920

Protanomaly

15.4566, 19.7968, 22.0753

Deuteranomaly

16.0540, 19.6372, 25.1345

Tritanomaly

14.8362, 21.2151, 29.2996

Monochromacy



Original Color

13.8517, 21.2566, 24.4920

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.9951, 14.4440, 16.9603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8517, 21.2566, 24.4920 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(0, 143, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 130)  
}
```

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(0, 143, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 130) }
```

Border

The CSS property to change the border of an element to XYZ 13.8517, 21.2566, 24.4920 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(0, 143, 130) }
```


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

```
.border{ border-color:rgb(0, 143, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8517, 21.2566, 24.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 130) }
```

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

```
.background{ background-color: rgb(0, 143,  
130) }
```

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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