

Converting Colors

XYZ(9.8564, 13.7844, 18.2849)

Have a look what the booklet for
XYZ(9.8564, 13.7844, 18.2849)
contains.

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Color

**XYZ(9.8849, 13.8394,
18.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	227373
RGB	34, 115, 115
RGB Percent	13%, 45%, 45%
CMY	0.8667, 0.5490, 0.5490
CMYK	0.70, 0.00, 0.00, 0.55
HSL	180°, 54%, 29%
HSV	180°, 70%, 45%
XYZ	9.8849, 13.8394, 18.3699
YIQ	90.7810, -48.2760, -17.1720

Conversions

Conversions Part 2

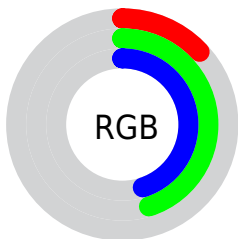
Format	Color
RYB	34, 75, 115
Decimal	2257779
CIELab	44.00, -23.49, -7.06
CIELCh	44, 24.533, 196.729
Yxy	13.8394, 0.2348, 0.3288
Android (android.graphics.Color)	4280447859 (0xFF227373)
YUV	90.7810, 11.9400, -49.7969
Hunter-Lab	37.2013, -17.6725, -3.2363

Details

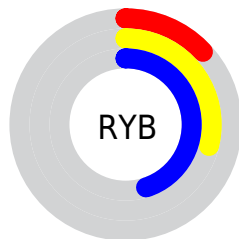
The XYZ color **9.8849, 13.8394, 18.3699** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9314, 4.9047, 2.0424**, and the grayscale version is **9.8763, 10.3906, 11.3154**.

A 20% lighter version of the original color is **25.2074, 32.7028, 41.5429**, and **2.9613, 4.3017, 5.9844** is the 20% darker color. If you saturate the color by 10%, you get **9.5676, 13.6761, 18.3553**, and if you desaturate by 10%, it is **10.3300, 14.0692, 18.3911**.

Distribution



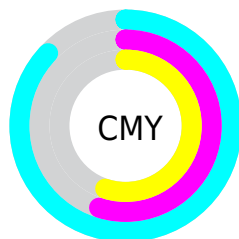
- Red (13%)
- Green (45%)
- Blue (45%)



- Red (13%)
- Yellow (29%)
- Blue (45%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (55%)



- Cyan (87%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8849, 13.8394, 18.3699 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 9.8849, 13.8394, 18.3699 by changing the saturation by 10% instead.

9.8849, 13.8394,
18.3699

9.8849, 13.8394,
18.3699

183.9194,
216.2294, 255.2536

5.3844, 8.0091,
11.0437

25.2304, 32.8038,
41.4890

2.5116, 4.1007,
5.9817

36.8062, 46.7066,
58.1191

0.9011, 1.7301,
2.7653

51.4710, 64.0691,
78.6874

0.0000, 0.4430,
0.9761

69.5903, 85.2756,
103.6127

0.0000, 0.0000,
0.0000

91.5295, 110.7104,
133.3134

117.6538,

140.7581, 168.2081

148.3287,
175.8030, 208.7153

■ 9.8849, 13.8394,
18.3699

■ 9.8849, 13.8394,
18.3699

■ 9.5676, 13.6761,
18.3553

■ 10.3300, 14.0692,
18.3911

■ 9.3636, 13.5709,
18.3457

■ 10.9131, 14.3698,
18.4185

■ 9.2255, 13.4998,
18.3392

■ 11.6447, 14.7469,
18.4528

■ 12.5342, 15.2054,
18.4945

■ 13.5898, 15.7497,
18.5439

■ 14.8196, 16.3836,
18.6015

■ 16.2308, 17.1112,
18.6676

■ 17.8305, 17.9358,
18.7426

■ 19.6251, 18.8610,
18.8266

Harmonies

Analogous

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



9.8367, 13.8394, 12.7393



9.8849, 13.8394, 18.3699



10.7513, 13.8394, 24.2998

Triad

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



9.8849, 13.8394, 18.3699



16.0720, 13.8394, 23.6763



14.0321, 13.8394, 6.8577

Complementary

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



9.8849, 13.8394, 18.3699



7.9314, 4.9047, 2.0424

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.



15.8902, 13.8394, 8.5333



9.8849, 13.8394, 18.3699



17.1439, 13.8394, 17.6662

Square

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



9.8849, 13.8394, 18.3699



14.2611, 13.8394, 27.8436



17.0743, 13.8394, 12.1889



12.1056, 13.8394, 6.9572

Rectangle

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



9.8849, 13.8394, 18.3699



11.7298, 13.8394, 27.2182



17.0743, 13.8394, 12.1889



14.6890, 13.8394, 7.2102

Sweetspot

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



9.8853, 13.8399, 18.3702



24.1075, 28.0848, 33.1946



7.1249, 12.7410, 3.5973



5.6498, 6.6478, 7.9143



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.



9.8853, 13.8399, 18.3702



16.8630, 24.3501, 32.8548



6.3287, 6.7266, 17.1851



3.7833, 4.1553, 4.6929



10.5463, 15.4325, 20.9647



51.3934, 75.2046, 102.1637

Inverse Universe

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



7.9314, 4.9047, 2.0424



13.1089, 7.1827, 1.4837



9.7519, 8.5456, 2.6491



3.6839, 3.7009, 3.8625



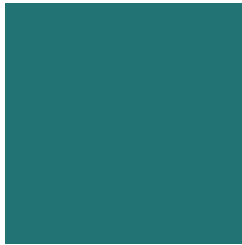
8.0828, 4.1668, 0.3783



39.3885, 20.3055, 1.8435

Previews

White Background



This preview shows how the XYZ color 9.8849, 13.8394, 18.3699 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 9.8849, 13.8394, 18.3699 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 9.8849, 13.8394, 18.3699

Background



This preview shows how black text looks on a background with the XYZ color 9.8849, 13.8394, 18.3699.

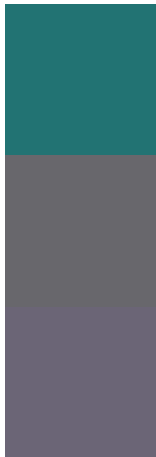


This preview shows how white text looks on a background with the XYZ color 9.8849, 13.8394,

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

9.8849, 13.8394, 18.3699

Protanopia

13.2659, 13.7263, 16.1376

Deuteranopia

13.9871, 13.7412, 19.0547



Tritanopia

10.4292, 13.8960, 20.8714

Trichromacy



Original Color

9.8849, 13.8394, 18.3699

Protanomaly

11.3514, 13.3254, 17.0127

Deuteranomaly

11.6732, 13.2979, 18.7811

Tritanomaly

10.1704, 13.7840, 19.8938

Monochromacy



Original Color

9.8849, 13.8394, 18.3699

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.3832, 11.3365, 13.7502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8849, 13.8394, 18.3699 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(34, 115, 115)` looks like.

```
.text, #text, p{  
    color:rgb(34, 115, 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(34, 115, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 115, 115) }
```

Border

The CSS property to change the border of an element to XYZ 9.8849, 13.8394, 18.3699 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(34, 115, 115) }
```


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

```
.border{ border-color:rgb(34, 115, 115) }
```

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

Here you see how a box with a 4 pixel rgb(34, 115, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 115, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 115, 115);  
box-shadow:4px 4px 4px 4px rgb(34, 115,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8849, 13.8394, 18.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 115, 115) }
```

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

```
.background{ background-color: rgb(34, 115,  
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](#).

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