

Converting Colors

XYZ(11.8545, 17.0098, 23.7965)

Have a look what the booklet for
XYZ(11.8545, 17.0098, 23.7965)
contains.

XYZ(11.9144, 17.1356, 23.7986)	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(11.9144, 17.1356,
23.7986)**

Conversions

Conversions Part 1

Format	Color
Hex	0D8082
RGB	13, 128, 130
RGB Percent	5%, 50%, 51%
CMY	0.9490, 0.4980, 0.4902
CMYK	0.90, 0.02, 0.00, 0.49
HSL	181°, 82%, 28%
HSV	181°, 90%, 51%
XYZ	11.9144, 17.1356, 23.7986
YIQ	93.8430, -69.1820, -23.7580

Conversions

Conversions Part 2

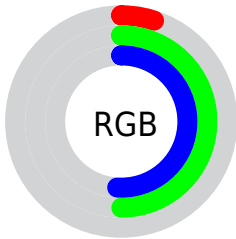
Format	Color
RYB	13, 71, 130
Decimal	884866
CIELab	48.43, -27.48, -9.39
CIELCh	48, 29.041, 198.859
Yxy	17.1356, 0.2254, 0.3242
Android (android.graphics.Color)	4279074946 (0xFF0D8082)
YUV	93.8430, 17.8254, -70.8993
Hunter-Lab	41.3952, -21.0655, -5.1099

Details

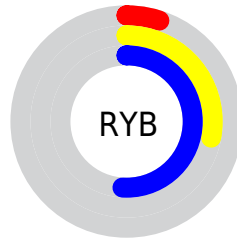
The XYZ color **11.9144, 17.1356, 23.7986** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.4498, 5.1170, 0.8709**, and the grayscale version is **10.5744, 11.1251, 12.1152**.

A 20% lighter version of the original color is **28.9089, 38.4451, 50.6967**, and **4.2096, 6.0429, 8.7291** is the 20% darker color. If you saturate the color by 10%, you get **11.7200, 16.9928, 23.7816**, and if you desaturate by 10%, it is **12.2041, 17.3284, 23.8209**.

Distribution



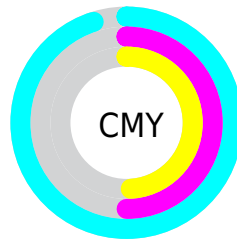
- Red (5%)
- Green (50%)
- Blue (51%)



- Red (5%)
- Yellow (28%)
- Blue (51%)



- Cyan (90%)
- Magenta (2%)
- Yellow (0%)
- Black (49%)



- Cyan (95%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9144, 17.1356, 23.7986 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 11.9144, 17.1356, 23.7986 by changing the saturation by 10% instead.

■ 11.9144, 17.1356,
23.7986

■ 11.9144, 17.1356,
23.7986

■ 197.6193,
235.9526, 285.0544

■ 6.7572, 10.3312,
14.9735

■ 28.9573, 38.5588,
50.6410

■ 3.3557, 5.6191,
8.6544

■ 41.5737, 53.9464,
69.4955

■ 1.3445, 2.6149,
4.4227

■ 57.4073, 72.9638,
92.5300

■ 0.2162, 0.9342,
1.8600

■ 76.8233, 95.9955,
120.1633

■ 0.0000, 0.0000,
0.4671

■ 100.1872,
123.4258, 152.8138

■ 0.0000, 0.0000,
0.0000

■ 127.8642,

155.6392, 190.9002

160.2198,
193.0200, 234.8408

■ 11.9144, 17.1356,
23.7986

■ 11.9144, 17.1356,
23.7986

■ 11.7200, 16.9928,
23.7816

■ 12.2041, 17.3284,
23.8209

■ 11.7198, 16.9926,
23.7816

■ 12.6441, 17.5983,
23.8498

■ 13.2529, 17.9554,
23.8866

■ 14.0461, 18.4077,
23.9321

■ 15.0375, 18.9622,
23.9869

■ 16.2396, 19.6254,
24.0515

■ 17.6637, 20.4033,
24.1266

■ 19.3207, 21.3012,
24.2126

■ 21.2203, 22.3243,
24.3100

Harmonies

Analogous

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



11.7705, 17.1356, 15.9706



11.9144, 17.1356, 23.7986



13.1512, 17.1356, 31.9897

Triad

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



11.9144, 17.1356, 23.7986



20.4457, 17.1356, 30.0360



17.2943, 17.1356, 7.6683

Complementary

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



11.9144, 17.1356, 23.7986



9.4498, 5.1170, 0.8709

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.



19.8851, 17.1356, 9.6650



11.9144, 17.1356, 23.7986



21.8320, 17.1356, 21.6306

Square

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



11.9144, 17.1356, 23.7986



17.9949, 17.1356, 36.2137



21.6163, 17.1356, 14.3163



14.6905, 17.1356, 7.9535

Rectangle

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



11.9144, 17.1356, 23.7986



14.5127, 17.1356, 35.9043



21.6163, 17.1356, 14.3163



18.2001, 17.1356, 8.0670

Sweetspot

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



11.9149, 17.1362, 23.7990



29.1589, 34.8686, 42.3860



8.2349, 16.0855, 3.1214



6.4525, 7.8115, 9.5860



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.9149, 17.1362, 23.7990



20.6277, 29.9019, 41.8770



6.3581, 6.0226, 21.9467



4.4403, 4.8747, 5.5201



11.2378, 16.2941, 22.8027



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2466, 6.5927, 20.9971



23.0426, 11.0899, 36.7262



11.6915, 9.6004, 1.6181



4.4951, 4.4112, 5.4116



12.5493, 6.0394, 20.0142



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.9144, 17.1356, 23.7986 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 11.9144, 17.1356, 23.7986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

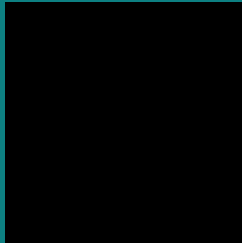
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9144, 17.1356, 23.7986

Background



This preview shows how black text looks on a background with the XYZ color 11.9144, 17.1356, 23.7986.

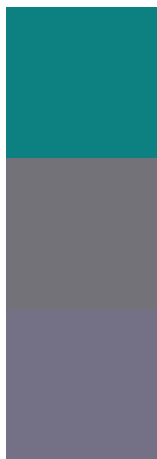


This preview shows how white text looks on a background with the XYZ color 11.9144, 17.1356,

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

11.9144, 17.1356, 23.7986

Protanopia

16.5387, 17.0599, 20.5104

Deuteranopia

17.2997, 17.0226, 24.9281



Tritanopia

12.4814, 17.1791, 26.3250

Trichromacy



Original Color

11.9144, 17.1356, 23.7986

Protanomaly

13.3768, 16.2686, 21.5039

Deuteranomaly

13.9365, 16.3126, 24.6044

Tritanomaly

12.1809, 17.0487, 25.2030

Monochromacy



Original Color

11.9144, 17.1356, 23.7986

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.9878, 12.4934, 15.7950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9144, 17.1356, 23.7986 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(13, 128, 130)` looks like.

```
.text, #text, p{  
    color:rgb(13, 128, 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(13, 128, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 128, 130) }
```

Border

The CSS property to change the border of an element to XYZ 11.9144, 17.1356, 23.7986 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(13, 128, 130) }
```


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

```
.border{ border-color:rgb(13, 128, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 128, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 128, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 128, 130);  
box-shadow:4px 4px 4px 4px rgb(13, 128,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9144, 17.1356, 23.7986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 128, 130) }
```

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

```
.background{ background-color: rgb(13, 128,  
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](#).

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