

Converting Colors

XYZ(11.8604, 17.9314, 15.4477)

Have a look what the booklet for
XYZ(11.8604, 17.9314, 15.4477)
contains.

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Color

**XYZ(11.8300, 17.8700,
15.3961)**

Conversions

Conversions Part 1

Format	Color
Hex	328366
RGB	50, 131, 102
RGB Percent	20%, 51%, 40%
CMY	0.8039, 0.4863, 0.6000
CMYK	0.62, 0.00, 0.22, 0.49
HSL	159°, 45%, 35%
HSV	159°, 62%, 51%
XYZ	11.8300, 17.8700, 15.3961
YIQ	103.4750, -38.9670, -26.1910

Conversions

Conversions Part 2

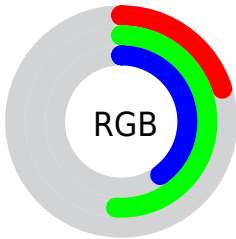
Format	Color
RYB	50, 99, 131
Decimal	3310438
CIELab	49.34, -31.99, 8.46
CIElCh	49, 33.086, 165.191
Yxy	17.8700, 0.2623, 0.3963
Android (android.graphics.Color)	4281500518 (0xFF328366)
YUV	103.4750, -0.7272, -46.8976
Hunter-Lab	42.2729, -24.0247, 7.9972




Details

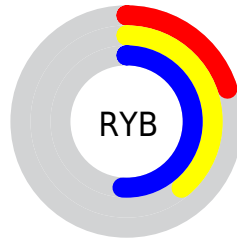
The XYZ color **11.8300, 17.8700, 15.3961** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9126, 7.6716, 8.2509**, and the grayscale version is **13.0279, 13.7063, 14.9262**.




A 20% lighter version of the original color is **28.9244, 40.0011, 36.3335**, and **3.6320, 6.1607, 4.6121** is the 20% darker color. If you saturate the color by 10%, you get **11.0483, 17.4936, 14.1796**, and if you desaturate by 10%, it is **12.8108, 18.3484, 16.6914**.

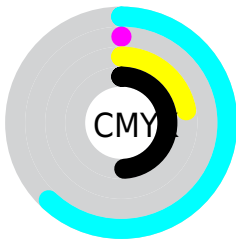
Distribution







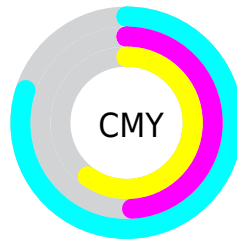
-  Red (20%)
-  Green (51%)
-  Blue (40%)






-  Red (20%)
-  Yellow (39%)
-  Blue (51%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (22%)
-  Black (49%)



-  Cyan (80%)
-  Magenta (49%)
-  Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8300, 17.8700, 15.3961 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 11.8300, 17.8700, 15.3961 by changing the saturation by 10% instead.

■ 11.8300, 17.8700,
15.3961

■ 11.8300, 17.8700,
15.3961

197.0696,
240.1373, 237.4741

■ 6.6994, 10.8567,
8.9481

■ 28.8047, 39.8157,
36.2987

■ 3.3195, 5.9706,
4.6110

■ 41.3794, 55.5169,
51.5903

■ 1.3249, 2.8272,
1.9662

■ 57.1663, 74.8828,
70.6670

■ 0.2017, 1.0422,
0.5344

■ 76.5306, 98.2978,
93.9472

■ 0.0000, 0.0000,
0.0000

■ 99.8377, 126.1464,
121.8495

■ 127.4530,

158.8129, 154.7924

159.7419,
196.6817, 193.1944

■ 11.8300, 17.8700,
15.3961

■ 11.8300, 17.8700,
15.3961

■ 11.0483, 17.4936,
14.1796

■ 12.8108, 18.3484,
16.6914

■ 10.4476, 17.2086,
13.0389

■ 14.0036, 18.9342,
18.0660

■ 10.0092, 17.0057,
11.9722

■ 15.4223, 19.6348,
19.5222

■ 9.7206, 16.8748,
11.1524

■ 17.0787, 20.4563,
21.0613

■ 18.9841, 21.4046,
22.6852

■ 21.1489, 22.4850,
24.3951

■ 23.5829, 23.7025,
26.1926

■ 26.2955, 25.0620,
28.0791

■ 29.2955, 26.5679,
30.0560

Harmonies

Analogous

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



13.0821, 17.8700, 9.7035



11.8300, 17.8700, 15.3961



11.8381, 17.8700, 24.3043

Triad

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



11.8300, 17.8700, 15.3961



18.6023, 17.8700, 41.1348



21.5626, 17.8700, 9.6528

Complementary

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



11.8300, 17.8700, 15.3961



11.9126, 7.6716, 8.2509

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.



23.4416, 17.8700, 15.3020



11.8300, 17.8700, 15.3961



21.5956, 17.8700, 34.2129

Square

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



11.8300, 17.8700, 15.3961



15.5003, 17.8700, 41.1835



23.4544, 17.8700, 24.1766



18.5614, 17.8700, 7.1437

Rectangle

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



11.8300, 17.8700, 15.3961



12.5474, 17.8700, 31.1041



23.4544, 17.8700, 24.1766



22.3617, 17.8700, 11.1553

Sweetspot

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



11.8305, 17.8707, 15.3965



31.3580, 37.0168, 38.3966



11.9756, 18.1561, 5.8913



7.1140, 8.5254, 8.7751



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.8305, 17.8707, 15.3965



19.3305, 31.1096, 24.5837



12.1533, 15.7986, 23.8824



4.7327, 5.2513, 5.6036



9.5695, 16.6106, 10.9842



0.0366, 0.0589, 0.0565

Inverse Universe

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



11.9126, 7.6716, 8.2509



19.5106, 11.2069, 10.7382



11.5945, 8.3723, 4.0229



4.7364, 4.7142, 5.2240



9.7179, 4.9515, 3.0870



0.0369, 0.0185, 0.0278

Previews

White Background



This preview shows how the XYZ color 11.8300, 17.8700, 15.3961 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 11.8300, 17.8700, 15.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

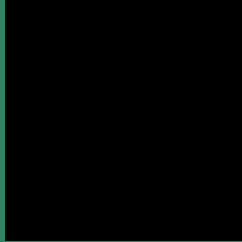
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.8300, 17.8700, 15.3961

Background



This preview shows how black text looks on a background with the XYZ color 11.8300, 17.8700, 15.3961.



This preview shows how white text looks on a background with the XYZ color 11.8300, 17.8700,

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

11.8300, 17.8700, 15.3961

Protanopia

16.6231, 17.6021, 13.3479

Deuteranopia

17.9114, 17.5345, 16.0761



Tritanopia

14.0261, 17.7846, 26.3604

Trichromacy



Original Color

11.8300, 17.8700, 15.3961

Protanomaly

13.9717, 17.0980, 14.1191

Deuteranomaly

14.6261, 17.0384, 15.8825

Tritanomaly

13.1022, 17.7931, 21.8126

Monochromacy



Original Color

11.8300, 17.8700, 15.3961

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0095, 14.6743, 15.0314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8300, 17.8700, 15.3961 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(50, 131, 102)` looks like.

```
.text, #text, p{  
    color:rgb(50, 131, 102)  
}
```

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(50, 131, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 131, 102) }
```

Border

The CSS property to change the border of an element to XYZ 11.8300, 17.8700, 15.3961 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(50, 131, 102) }
```


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

```
.border{ border-color:rgb(50, 131, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 131, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 131, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 131, 102);  
box-shadow:4px 4px 4px 4px rgb(50, 131,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8300, 17.8700, 15.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 131, 102) }
```

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

```
.background{ background-color: rgb(50, 131,  
102) }
```

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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