

Converting Colors

XYZ(11.9499, 18.2801, 17.9375)

Have a look what the booklet for
XYZ(11.9499, 18.2801, 17.9375)
contains.

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Color

**XYZ(11.9499, 18.2801,
17.9375)**

Conversions

Conversions Part 1

Format	Color
Hex	23856F
RGB	35, 133, 111
RGB Percent	14%, 52%, 44%
CMY	0.8627, 0.4784, 0.5647
CMYK	0.74, 0.00, 0.17, 0.48
HSL	167°, 58%, 33%
HSV	167°, 74%, 52%
XYZ	11.9499, 18.2801, 17.9375
YIQ	101.1900, -51.3460, -27.6180

Conversions

Conversions Part 2

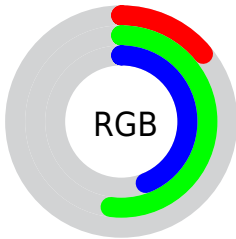
Format	Color
RYB	35, 90, 133
Decimal	2327919
CIELab	49.83, -33.28, 3.87
CIELCh	50, 33.508, 173.371
Yxy	18.2801, 0.2481, 0.3795
Android (android.graphics.Color)	4280517999 (0xFF23856F)
YUV	101.1900, 4.8363, -58.0486
Hunter-Lab	42.7552, -24.9317, 5.0542

Details

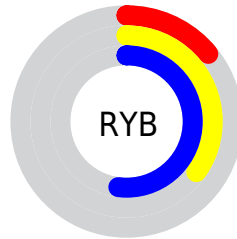
The XYZ color **11.9499, 18.2801, 17.9375** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.0130, 6.4845, 4.5427**, and the grayscale version is **12.4167, 13.0633, 14.2259**.

A 20% lighter version of the original color is **29.1005, 40.6179, 40.9566**, and **3.9905, 6.5454, 5.7557** is the 20% darker color. If you saturate the color by 10%, you get **11.4198, 18.0260, 17.0690**, and if you desaturate by 10%, it is **12.6577, 18.6261, 18.8438**.

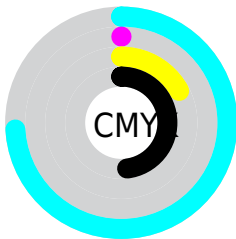
Distribution



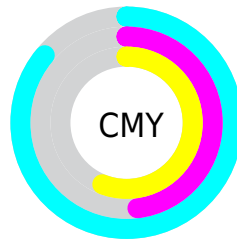
- Red (14%)
- Green (52%)
- Blue (44%)



- Red (14%)
- Yellow (35%)
- Blue (52%)



- Cyan (74%)
- Magenta (0%)
- Yellow (17%)
- Black (48%)



- Cyan (86%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9499, 18.2801, 17.9375 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 11.9499, 18.2801, 17.9375 by changing the saturation by 10% instead.

■ 11.9499, 18.2801,
17.9375

■ 11.9499, 18.2801,
17.9375

197.8500,
242.4451, 252.7428

■ 6.7815, 11.1513,
10.7361

■ 29.0215, 40.5140,
40.7433

■ 3.3710, 6.1687,
5.7778

■ 41.6554, 56.3879,
57.1848

■ 1.3528, 2.9479,
2.6438

■ 57.5085, 75.9456,
77.5435

■ 0.2222, 1.1046,
0.9150

■ 76.9462, 99.5715,
102.2378

■ 0.0000, 0.0000,
0.0000

■ 100.3339,
127.6500, 131.6864

■ 128.0368,

160.5656, 166.3077

160.4204,
198.7024, 206.5203

■ 11.9499, 18.2801,
17.9375

■ 11.9499, 18.2801,
17.9375

■ 11.4198, 18.0260,
17.0690

■ 12.6577, 18.6261,
18.8438

■ 11.0443, 17.8504,
16.2358

■ 13.5590, 19.0708,
19.7877

■ 10.8432, 17.7578,
15.7256

■ 14.6697, 19.6228,
20.7707

■ 16.0035, 20.2891,
21.7936

■ 17.5728, 21.0762,
22.8572

■ 19.3894, 21.9901,
23.9625

■ 21.4640, 23.0364,
25.1102

■ 23.8068, 24.2202,
26.3009

■ 26.4274, 25.5465,
27.5354

Harmonies

Analogous

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



12.8885, 18.2801, 11.1304



11.9499, 18.2801, 17.9375



12.3150, 18.2801, 27.7472

Triad

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



11.9499, 18.2801, 17.9375



19.9324, 18.2801, 40.8663



21.3118, 18.2801, 8.8443

Complementary

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



11.9499, 18.2801, 17.9375



11.0130, 6.4845, 4.5427

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.



23.6593, 18.2801, 13.6983



11.9499, 18.2801, 17.9375



22.7970, 18.2801, 32.3823

Square

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



11.9499, 18.2801, 17.9375



16.6738, 18.2801, 43.0499



24.2337, 18.2801, 22.0090



18.0950, 18.2801, 7.0269

Rectangle

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



11.9499, 18.2801, 17.9375



13.2735, 18.2801, 34.6289



24.2337, 18.2801, 22.0090



22.2440, 18.2801, 10.0870

Sweetspot

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



11.9504, 18.2808, 17.9379



31.8292, 37.9232, 41.1612



10.4287, 17.7927, 4.4751



7.0179, 8.4669, 9.1752



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.



11.9504, 18.2808, 17.9379



19.9962, 32.0664, 29.6161



10.1711, 12.5391, 24.0754



4.7581, 5.2615, 5.7372



10.3310, 16.9153, 14.9947



0.0385, 0.0597, 0.0663

Inverse Universe

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



11.0130, 6.4845, 4.5427



18.2780, 9.7357, 4.5385



11.6527, 8.4602, 2.6092



4.7122, 4.7046, 5.0970



9.4378, 4.8395, 1.6119



0.0351, 0.0177, 0.0180

Previews

White Background



This preview shows how the XYZ color 11.9499, 18.2801, 17.9375 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 11.9499, 18.2801, 17.9375 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 11.9499, 18.2801, 17.9375

Background



This preview shows how black text looks on a background with the XYZ color 11.9499, 18.2801, 17.9375.

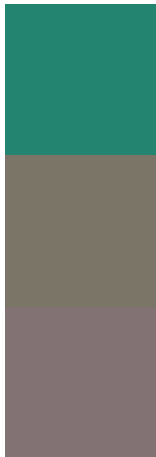


This preview shows how white text looks on a background with the XYZ color 11.9499, 18.2801,

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

11.9499, 18.2801, 17.9375

Protanopia

16.9779, 17.9128, 15.3947

Deuteranopia

18.3177, 18.0183, 18.7321



Tritanopia

13.8258, 18.2427, 27.2186

Trichromacy



Original Color

11.9499, 18.2801, 17.9375

Protanomaly

13.9989, 17.4307, 16.2623

Deuteranomaly

14.5939, 17.3225, 18.4940

Tritanomaly

13.0273, 18.1081, 23.5775

Monochromacy



Original Color

11.9499, 18.2801, 17.9375

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.5155, 14.4080, 15.5387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9499, 18.2801, 17.9375 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(35, 133, 111)` looks like.

```
.text, #text, p{  
    color:rgb(35, 133, 111)  
}
```

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(35, 133, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 133, 111) }
```

Border

The CSS property to change the border of an element to XYZ 11.9499, 18.2801, 17.9375 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(35, 133, 111) }
```


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

```
.border{ border-color:rgb(35, 133, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 133, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 133, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 133, 111);  
box-shadow:4px 4px 4px 4px rgb(35, 133,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9499, 18.2801, 17.9375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 133, 111) }
```

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

```
.background{ background-color: rgb(35, 133,  
111) }
```

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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