

Converting Colors

XYZ(11.9849, 18.9159, 8.6497)

Have a look what the booklet for
XYZ(11.9849, 18.9159, 8.6497)
contains.

XYZ(11.9849, 18.9159, 8.6497)	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(11.9849, 18.9159,
8.6497)**

Conversions

Conversions Part 1

Format	Color
Hex	428745
RGB	66, 135, 69
RGB Percent	26%, 53%, 27%
CMY	0.7412, 0.4706, 0.7294
CMYK	0.51, 0.00, 0.49, 0.47
HSL	123°, 34%, 39%
HSV	123°, 51%, 53%
XYZ	11.9849, 18.9159, 8.6497
YIQ	106.8450, -19.9380, -35.1540

Conversions

Conversions Part 2

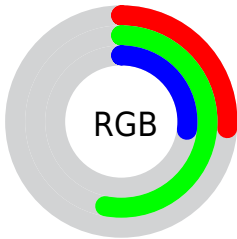
Format	Color
RYB	66, 132, 135
Decimal	4360005
CIELab	50.59, -36.29, 28.83
CIElCh	51, 46.351, 141.535
Yxy	18.9159, 0.3030, 0.4783
Android (android.graphics.Color)	4282550085 (0xFF428745)
YUV	106.8450, -18.6576, -35.8211
Hunter-Lab	43.4924, -26.9237, 18.6532

Details

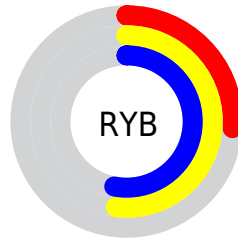
The XYZ color **11.9849, 18.9159, 8.6497** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.1053, 10.7135, 23.0492**, and the grayscale version is **13.9865, 14.7149, 16.0246**.

A 20% lighter version of the original color is **29.0754, 41.6251, 23.6416**, and **3.3625, 6.4219, 1.8729** is the 20% darker color. If you saturate the color by 10%, you get **10.8224, 18.3585, 6.7259**, and if you desaturate by 10%, it is **13.4503, 19.6204, 11.0439**.

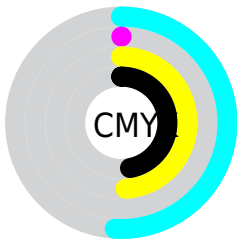
Distribution



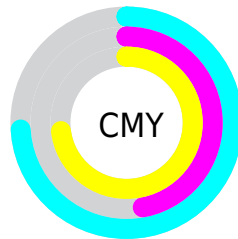
- Red (26%)
- Green (53%)
- Blue (27%)



- Red (26%)
- Yellow (52%)
- Blue (53%)



- Cyan (51%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)





- Cyan (74%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9849, 18.9159, 8.6497 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 11.9849, 18.9159, 8.6497 by changing the saturation by 10% instead.


 11.9849, 18.9159,
8.6497


 11.9849, 18.9159,
8.6497


198.0773,
245.9841, 190.8636


 6.8055, 11.6095,
4.4197


 29.0847, 41.5919,
23.7895


 3.3860, 6.4784,
1.8583


 41.7358, 57.7304,
35.5363

 1.3610, 3.1381,
0.4660

 57.6083, 77.5817,
50.6259

 0.2282, 1.2042,
0.0000

 77.0673, 101.5302,
69.4768

 0.0000, 0.0652,
0.0000

 100.4784,
129.9602, 92.5074

 0.0000, 0.0000,
0.0000

128.2069,

163.2563, 120.1364

160.6180,
201.8028, 152.7823

■ 11.9849, 18.9159,
8.6497

■ 11.9849, 18.9159,
8.6497

■ 10.8224, 18.3585,
6.7259

■ 13.4503, 19.6204,
11.0439

■ 9.9403, 17.9358,
5.2405

■ 15.2364, 20.4790,
13.9353

■ 9.3154, 17.6369,
4.1593

■ 17.3609, 21.5009,
17.3502

■ 8.9199, 17.4485,
3.4426

■ 19.8402, 22.6939,
21.3127

■ 8.6966, 17.3416,
3.0576

■ 22.6895, 24.0654,
25.8453

■ 25.9230, 25.6222,
30.9694

■ 29.5543, 27.3710,
36.7052

■ 33.5962, 29.3180,
43.0719

■ 38.0611, 31.4690,
50.0880

Harmonies

Analogous

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



14.9675, 18.9159, 5.0152



11.9849, 18.9159, 8.6497



10.6664, 18.9159, 17.1380

Triad

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



11.9849, 18.9159, 8.6497



16.7270, 18.9159, 56.4349



27.3594, 18.9159, 12.7293

Complementary

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



11.9849, 18.9159, 8.6497



16.1053, 10.7135, 23.0492

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.



28.0439, 18.9159, 24.4908



11.9849, 18.9159, 8.6497



21.3696, 18.9159, 53.6058

Square

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



11.9849, 18.9159, 8.6497



13.0869, 18.9159, 46.9536



25.6978, 18.9159, 40.3364



23.9596, 18.9159, 6.5877

Rectangle

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



11.9849, 18.9159, 8.6497



10.7237, 18.9159, 25.9982



25.6978, 18.9159, 40.3364



27.9351, 18.9159, 15.9997

Sweetspot

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



11.9854, 18.9167, 8.6501



33.5740, 39.6980, 35.0460



19.2737, 22.6845, 8.5169



7.5870, 9.1030, 7.8153



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.9854, 18.9167, 8.6501



19.1552, 32.7673, 11.6690



13.3494, 19.4623, 15.8328



4.6239, 5.2078, 5.0307



8.0203, 15.9910, 2.8263



0.0283, 0.0556, 0.0124

Inverse Universe

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



16.1053, 10.7135, 23.0492



27.3755, 16.3850, 40.3882



14.1545, 9.9332, 12.7764



4.8494, 4.7594, 5.8191



12.8765, 6.2150, 19.7200



0.0453, 0.0218, 0.0719

Previews

White Background



This preview shows how the XYZ color 11.9849, 18.9159, 8.6497 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 11.9849, 18.9159, 8.6497 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 11.9849, 18.9159, 8.6497

Background



This preview shows how black text looks on a background with the XYZ color 11.9849, 18.9159, 8.6497.



This preview shows how white text looks on a background with the XYZ color 11.9849, 18.9159,

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

11.9849, 18.9159, 8.6497

Protanopia

17.1576, 18.7086, 7.5573

Deuteranopia

18.9304, 18.5488, 9.0611



Tritanopia

15.5702, 18.7631, 26.8458

Trichromacy



Original Color

11.9849, 18.9159, 8.6497

Protanomaly

14.5013, 18.2487, 7.9123

Deuteranomaly

15.3317, 18.1000, 8.8165

Tritanomaly

13.9438, 18.6940, 18.4962

Monochromacy



Original Color

11.9849, 18.9159, 8.6497

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.7507, 15.7882, 12.7313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9849, 18.9159, 8.6497 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(66, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(66, 135, 69)  
}
```

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(66, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 135, 69) }
```

Border

The CSS property to change the border of an element to XYZ 11.9849, 18.9159, 8.6497 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(66, 135, 69) }
```


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

```
.border{ border-color:rgb(66, 135, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 135, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 135, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 135, 69);  
box-shadow:4px 4px 4px 4px rgb(66, 135,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9849, 18.9159, 8.6497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 135, 69) }
```

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

```
.background{ background-color: rgb(66, 135,  
69) }
```

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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