

Converting Colors

XYZ(11.0970, 18.7669, 9.8195)

Have a look what the booklet for
XYZ(11.0970, 18.7669, 9.8195)
contains.

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Color

**XYZ(11.1646, 18.8845,
9.8941)**

Conversions

Conversions Part 1

Format	Color
Hex	29894C
RGB	41, 137, 76
RGB Percent	16%, 54%, 30%
CMY	0.8392, 0.4627, 0.7020
CMYK	0.70, 0.00, 0.45, 0.46
HSL	142°, 54%, 35%
HSV	142°, 70%, 54%
XYZ	11.1646, 18.8845, 9.8941
YIQ	101.3420, -37.6350, -39.3230

Conversions

Conversions Part 2

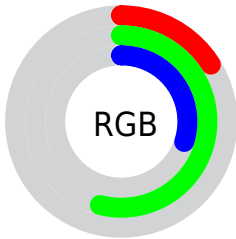
Format	Color
RYB	41, 111, 137
Decimal	2722124
CIELab	50.55, -41.99, 24.83
CIELCh	51, 48.781, 149.404
Yxy	18.8845, 0.2795, 0.4728
Android (android.graphics.Color)	4280912204 (0xFF29894C)
YUV	101.3420, -12.4936, -52.9199
Hunter-Lab	43.4563, -30.1891, 16.9203

Details

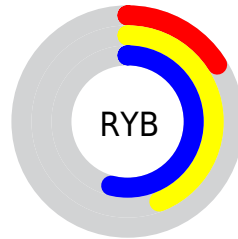
The XYZ color **11.1646, 18.8845, 9.8941** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5083, 7.8639, 13.3769**, and the grayscale version is **12.4969, 13.1477, 14.3178**.

A 20% lighter version of the original color is **27.5423, 41.4206, 26.2820**, and **3.5621, 6.7493, 2.3433** is the 20% darker color. If you saturate the color by 10%, you get **10.4280, 18.5379, 8.3855**, and if you desaturate by 10%, it is **12.1333, 19.3471, 11.6283**.

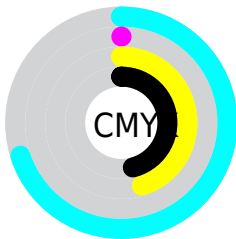
Distribution



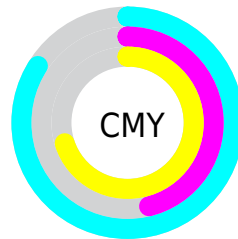
- Red (16%)
- Green (54%)
- Blue (30%)



- Red (16%)
- Yellow (44%)
- Blue (54%)



- Cyan (70%)
- Magenta (0%)
- Yellow (45%)
- Black (46%)





- Cyan (84%)
- Magenta (46%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.1646, 18.8845, 9.8941 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 11.1646, 18.8845, 9.8941 by changing the saturation by 10% instead.


 11.1646, 18.8845,
9.8941


 11.1646, 18.8845,
9.8941


192.6784,
245.8104, 200.3718


 6.2458, 11.5868,
5.2241


 27.5944, 41.5388,
26.2008


 3.0372, 6.4630,
2.3183


 39.8361, 57.6643,
38.6746


 1.1734, 3.1286,
0.7415

 55.2494, 77.5012,
54.5868

 0.0853, 1.1992,
0.0000

 74.1998, 101.4339,
74.3558

 0.0000, 0.0611,
0.0000

 97.0525, 129.8467,
98.4003

 0.0000, 0.0000,
0.0000

 124.1729,

163.1242, 127.1388

155.9264,
201.6506, 160.9898

■ 11.1646, 18.8845,
9.8941

■ 11.1646, 18.8845,
9.8941

■ 10.4280, 18.5379,
8.3855

■ 12.1333, 19.3471,
11.6283

■ 9.8998, 18.2937,
7.0915

■ 13.3521, 19.9331,
13.5957

■ 9.5206, 18.1218,
6.0078

■ 14.8387, 20.6521,
15.8052

■ 16.6086, 21.5119,
18.2648

■ 18.6763, 22.5198,
20.9821

■ 21.0552, 23.6826,
23.9644

■ 23.7577, 25.0066,
27.2187

■ 26.7958, 26.4977,
30.7518

■ 30.1806, 28.1617,
34.5701

Harmonies

Analogous

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



13.8184, 18.8845, 5.1326



11.1646, 18.8845, 9.8941



10.2615, 18.8845, 20.2904

Triad

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



11.1646, 18.8845, 9.8941



17.8540, 18.8845, 59.5123



27.1666, 18.8845, 10.1871

Complementary

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



11.1646, 18.8845, 9.8941



13.5083, 7.8639, 13.3769

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.



28.7507, 18.8845, 20.8361



11.1646, 18.8845, 9.8941



22.8306, 18.8845, 52.9144

Square

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



11.1646, 18.8845, 9.8941



13.6802, 18.8845, 52.4036



27.0412, 18.8845, 37.0064



23.0249, 18.8845, 5.2415

Rectangle

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



11.1646, 18.8845, 9.8941



10.6236, 18.8845, 30.5629



27.0412, 18.8845, 37.0064



28.0452, 18.8845, 13.0222

Sweetspot

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



11.1651, 18.8853, 9.8945



32.8968, 40.0600, 36.8687



14.9860, 20.9595, 5.3537



7.1761, 8.8865, 8.0066



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.



11.1651, 18.8853, 9.8945



18.0845, 32.9230, 13.6309



13.4108, 19.7836, 21.7204



5.0423, 5.6364, 5.7439



8.8735, 16.8820, 5.6245



0.0655, 0.1148, 0.0721

Inverse Universe

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



13.5083, 7.8639, 13.3769



22.5314, 11.8326, 20.1105



11.8092, 7.1843, 4.4294



5.1578, 5.0985, 5.9192



11.2201, 5.5982, 8.9295



0.0816, 0.0400, 0.0965

Previews

White Background



This preview shows how the XYZ color 11.1646, 18.8845, 9.8941 looks on a white background.

Color Contrast Check

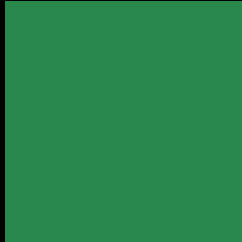
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.1646, 18.8845, 9.8941 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 11.1646, 18.8845, 9.8941

Background



This preview shows how black text looks on a background with the XYZ color 11.1646, 18.8845, 9.8941.



This preview shows how white text looks on a background with the XYZ color 11.1646, 18.8845,

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

11.1646, 18.8845, 9.8941

Protanopia

17.1507, 18.6879, 8.3334

Deuteranopia

18.8302, 18.4683, 10.3569



Tritanopia

14.8306, 18.9487, 27.6868

Trichromacy



Original Color

11.1646, 18.8845, 9.8941

Protanomaly

13.6676, 17.9863, 8.8822

Deuteranomaly

14.3147, 17.5478, 10.0297

Tritanomaly

13.2293, 18.9002, 19.7805

Monochromacy



Original Color

11.1646, 18.8845, 9.8941

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.1735, 14.4696, 12.3292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1646, 18.8845, 9.8941 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(41, 137, 76)` looks like.

```
.text, #text, p{  
    color:rgb(41, 137, 76)  
}
```

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(41, 137, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 137, 76) }
```

Border

The CSS property to change the border of an element to XYZ 11.1646, 18.8845, 9.8941 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(41, 137, 76) }
```


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

```
.border{ border-color:rgb(41, 137, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 137, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 137, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 137, 76);  
box-shadow:4px 4px 4px 4px rgb(41, 137,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1646, 18.8845, 9.8941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 137, 76) }
```

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

```
.background{ background-color: rgb(41, 137,  
76) }
```

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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