

Converting Colors

XYZ(10.5670, 11.9165, 11.6808)

Have a look what the booklet for
XYZ(10.5670, 11.9165, 11.6808)
contains.

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Color

**XYZ(10.4700, 11.8029,
11.6239)**

Conversions

Conversions Part 1

Format	Color
Hex	59635B
RGB	89, 99, 91
RGB Percent	35%, 39%, 36%
CMY	0.6510, 0.6118, 0.6431
CMYK	0.10, 0.00, 0.08, 0.61
HSL	132°, 5%, 37%
HSV	132°, 10%, 39%
XYZ	10.4700, 11.8029, 11.6239
YIQ	95.0980, -3.3920, -4.6080

Conversions

Conversions Part 2

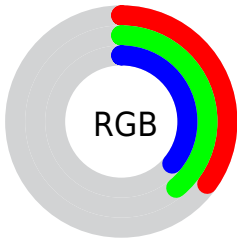
Format	Color
R_{YB}	89, 97, 99
Decimal	5858139
CIE _{Lab}	40.90, -5.58, 3.23
CIE _{LCh}	41, 6.446, 149.944
Yxy	11.8029, 0.3089, 0.3482
Android (android.graphics.Color)	4284048219 (0xFF59635B)
YUV	95.0980, -2.0203, -5.3479
Hunter-Lab	34.3553, -5.7229, 3.9884

Details

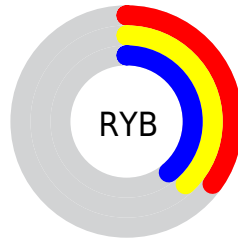
The XYZ color **10.4700, 11.8029, 11.6239** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8761, 10.6607, 12.7943**, and the grayscale version is **10.9063, 11.4742, 12.4955**.

A 20% lighter version of the original color is **26.3615, 29.2247, 29.4508**, and **2.7430, 3.2493, 2.9652** is the 20% darker color. If you saturate the color by 10%, you get **9.2593, 11.2165, 9.8769**, and if you desaturate by 10%, it is **11.8452, 12.4706, 13.5674**.

Distribution



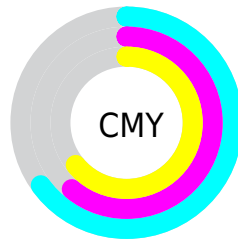
- Red (35%)
- Green (39%)
- Blue (36%)



- Red (35%)
- Yellow (38%)
- Blue (39%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (61%)



- Cyan (65%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4700, 11.8029, 11.6239 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 10.4700, 11.8029, 11.6239 by changing the saturation by 10% instead.

■ 10.4700, 11.8029,
11.6239

■ 10.4700, 11.8029,
11.6239

187.9788,
203.0960, 212.7880

■ 5.7763, 6.6096,
6.3687

■ 26.3176, 29.1356,
29.4623

■ 2.7489, 3.2192,
2.9982

■ 38.2022, 42.0438,
42.8826

■ 1.0224, 1.2472,
1.0937

■ 53.2145, 58.2925,
59.8617

■ 0.0000, 0.0998,
0.0000

■ 71.7198, 78.2660,
80.8182

■ 0.0000, 0.0000,
0.0000

■ 94.0836, 102.3487,
106.1705

120.6711,

130.9250, 136.3372

151.8477,
164.3793, 171.7369

■ 10.4700, 11.8029,
11.6239

■ 10.4700, 11.8029,
11.6239

■ 9.2593, 11.2165,
9.8769

■ 11.8452, 12.4706,
13.5674

■ 8.2060, 10.7069,
8.3195

■ 13.3898, 13.2210,
15.7124

■ 7.3039, 10.2713,
6.9456

■ 15.1097, 14.0573,
18.0648

■ 6.5458, 9.9062,
5.7484

■ 17.0102, 14.9823,
20.6300

■ 5.9242, 9.6079,
4.7206

■ 19.0964, 15.9983,
23.4132

■ 5.4308, 9.3722,
3.8546

■ 21.3731, 17.1078,
26.4193

■ 5.0562, 9.1945,
3.1422

■ 23.8450, 18.3131,
29.6531

■ 4.7900, 9.0695,
2.5742

■ 26.5168, 19.6165,
33.1195

■ 4.5866, 8.9740,
2.1429

■ 29.3926, 21.0201,
36.8228

Harmonies

Analogous

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



10.7826, 11.8029, 10.7789



10.4700, 11.8029, 11.6239



10.3568, 11.8029, 12.8489

Triad

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



10.4700, 11.8029, 11.6239



11.2174, 11.8029, 15.5546



12.0023, 11.8029, 11.6279

Complementary

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



10.4700, 11.8029, 11.6239



10.8761, 10.6607, 12.7943

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.



12.1263, 11.8029, 12.8538



10.4700, 11.8029, 11.6239



11.6656, 11.8029, 15.1738

Square

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



10.4700, 11.8029, 11.6239



10.7811, 11.8029, 15.1710



12.0014, 11.8029, 14.1623



11.6672, 11.8029, 10.7811

Rectangle

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



10.4700, 11.8029, 11.6239



10.4072, 11.8029, 13.7349



12.0014, 11.8029, 14.1623



12.0705, 11.8029, 12.0065

Sweetspot

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



10.4703, 11.8034, 11.6242



19.5854, 21.0355, 22.2430



11.2131, 12.1961, 11.2144



4.6177, 4.9817, 5.2340



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



10.4703, 11.8034, 11.6242



17.4712, 20.0099, 19.2396



10.6857, 11.8896, 12.7583



2.5628, 2.8639, 2.8575



5.9654, 11.6922, 2.7239



31.6041, 62.3566, 13.1599

Inverse Universe

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



10.8761, 10.6607, 12.7943



18.3093, 17.6494, 21.6567



10.6574, 10.5733, 11.6429



2.6491, 2.6206, 3.1067



8.5429, 4.1920, 9.9785



45.3215, 22.2680, 51.6405

Previews

White Background



This preview shows how the XYZ color 10.4700, 11.8029, 11.6239 looks on a white background.

Color Contrast Check

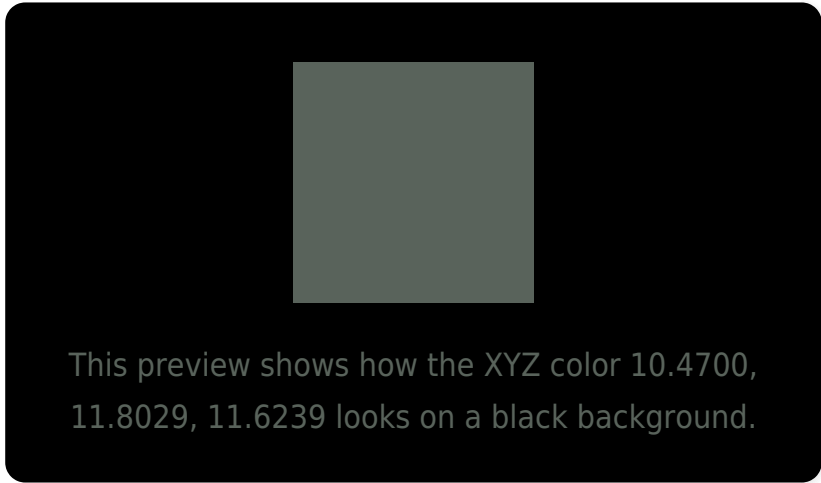
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

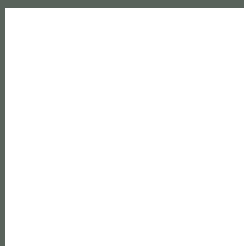
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4700, 11.8029, 11.6239

Background



This preview shows how black text looks on a background with the XYZ color 10.4700, 11.8029, 11.6239.



This preview shows how white text looks on a background with the XYZ color 10.4700, 11.8029,

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

10.4700, 11.8029, 11.6239

Protanopia

11.2416, 11.7963, 11.1356

Deuteranopia

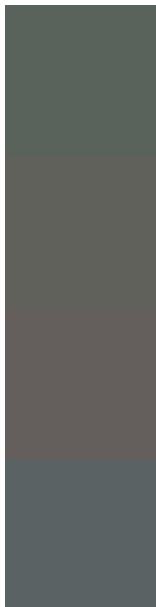
11.9095, 11.7272, 11.7611



Tritanopia

11.1389, 11.7935, 15.0539

Trichromacy



Original Color

10.4700, 11.8029, 11.6239

Protanomaly

10.9440, 11.7744, 11.3687

Deuteranomaly

11.2795, 11.6664, 11.7826

Tritanomaly

10.8844, 11.8291, 13.7662

Monochromacy



Original Color

10.4700, 11.8029, 11.6239

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.7175, 11.5011, 12.2447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4700, 11.8029, 11.6239 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(89, 99, 91) looks like.

```
.text, #text, p{  
    color:rgb(89, 99, 91)  
}
```

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(89, 99, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 99, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.4700, 11.8029, 11.6239 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(89, 99, 91) }
```


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

```
.border{ border-color:rgb(89, 99, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 99, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 99, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 99, 91);  
box-shadow:4px 4px 4px 4px rgb(89, 99, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4700, 11.8029, 11.6239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 99, 91) }
```

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

```
.background{ background-color: rgb(89, 99,  
91) }
```

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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