

Converting Colors

XYZ(10.8971, 12.8312, 11.7748)

Have a look what the booklet for
XYZ(10.8971, 12.8312, 11.7748)
contains.

XYZ(10.9644, 12.9332, 11.8160)	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(10.9644, 12.9332,
11.8160)**

Conversions

Conversions Part 1

Format	Color
Hex	58695B
RGB	88, 105, 91
RGB Percent	35%, 41%, 36%
CMY	0.6549, 0.5882, 0.6431
CMYK	0.16, 0.00, 0.13, 0.59
HSL	131°, 9%, 38%
HSV	131°, 16%, 41%
XYZ	10.9644, 12.9332, 11.8160
YIQ	98.3210, -5.6380, -7.9580

Conversions

Conversions Part 2

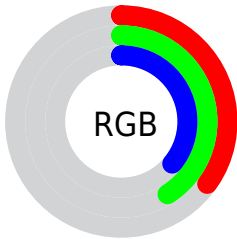
Format	Color
R_{YB}	88, 102, 105
Decimal	5794139
CIE Lab	42.66, -9.46, 5.75
CIE LCh	43, 11.065, 148.718
Yxy	12.9332, 0.3070, 0.3621
Android (android.graphics.Color)	4283984219 (0xFF58695B)
YUV	98.3210, -3.6093, -9.0515
Hunter-Lab	35.9628, -8.5134, 5.6935

Details

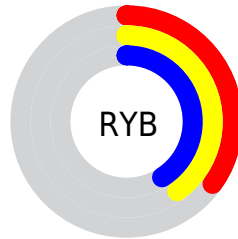
The XYZ color **10.9644, 12.9332, 11.8160** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7141, 10.9423, 14.0656**, and the grayscale version is **11.6995, 12.3088, 13.4042**.

A 20% lighter version of the original color is **27.1774, 31.1033, 29.7704**, and **2.9416, 3.7078, 3.0433** is the 20% darker color. If you saturate the color by 10%, you get **9.6894, 12.3169, 9.9201**, and if you desaturate by 10%, it is **12.4263, 13.6416, 13.9457**.

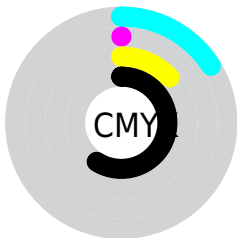
Distribution



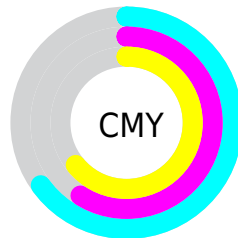
- Red (35%)
- Green (41%)
- Blue (36%)



- Red (35%)
- Yellow (40%)
- Blue (41%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (59%)



- Cyan (65%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9644, 12.9332, 11.8160 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 10.9644, 12.9332, 11.8160 by changing the saturation by 10% instead.

■ 10.9644, 12.9332,
11.8160

■ 10.9644, 12.9332,
11.8160

■ 191.3365,
210.4891, 214.1178

■ 6.1100, 7.3826,
6.4975

■ 27.2279, 31.1837,
29.8189

■ 2.9534, 3.7025,
3.0762

■ 39.3676, 44.6524,
43.3404

■ 1.1292, 1.5086,
1.1337

■ 54.6666, 61.5292,
60.4333

■ 0.0493, 0.2947,
0.0000

■ 73.4901, 82.1986,
81.5161

■ 0.0000, 0.0000,
0.0000

■ 96.2035, 107.0448,
107.0075

123.1721,

136.4524, 137.3258

154.7613,
170.8057, 172.8898

■ 10.9644, 12.9332,
11.8160

■ 10.9644, 12.9332,
11.8160

■ 9.6894, 12.3169,
9.9201

■ 12.4263, 13.6416,
13.9457

■ 8.5927, 11.7874,
8.2491

■ 14.0812, 14.4440,
16.3157

■ 7.6666, 11.3412,
6.7950

■ 15.9361, 15.3442,
18.9338

■ 6.9025, 10.9741,
5.5488

■ 17.9975, 16.3454,
21.8067

■ 6.2907, 10.6812,
4.5010

■ 20.2715, 17.4507,
24.9410

■ 5.8209, 10.4576,
3.6414

■ 22.7639, 18.6629,
28.3433

■ 5.4812, 10.2972,
2.9587

■ 25.4804, 19.9847,
32.0196

■ 5.2450, 10.1867,
2.4399

■ 28.4265, 21.4190,
35.9760

■ 5.1654, 10.1491,
2.2820

■ 31.6074, 22.9681,
40.2182

Harmonies

Analogous

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



11.5334, 12.9332, 10.4053



10.9644, 12.9332, 11.8160



10.7488, 12.9332, 13.9789

Triad

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



10.9644, 12.9332, 11.8160



12.2566, 12.9332, 19.2263



13.7629, 12.9332, 11.9760

Complementary

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



10.9644, 12.9332, 11.8160



11.7141, 10.9423, 14.0656

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.



13.9776, 12.9332, 14.1857



10.9644, 12.9332, 11.8160



13.0844, 12.9332, 18.5365

Square

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



10.9644, 12.9332, 11.8160



11.4736, 12.9332, 18.4126



13.7240, 12.9332, 16.6208



13.1497, 12.9332, 10.4900

Rectangle

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



10.9644, 12.9332, 11.8160



10.8267, 12.9332, 15.6179



13.7240, 12.9332, 16.6208



13.8852, 12.9332, 12.6504

Sweetspot

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



10.9648, 12.9337, 11.8163



22.5438, 24.5683, 25.3945



12.3120, 13.6429, 11.2171



5.2475, 5.7389, 5.9005



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.9648, 12.9337, 11.8163



18.8302, 22.7700, 19.9726



11.3446, 13.0857, 13.8164



3.0838, 3.4527, 3.4251



6.5289, 12.8456, 2.8303



33.0316, 65.3598, 13.1795

Inverse Universe

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



11.7141, 10.9423, 14.0656



20.4143, 18.5599, 24.7269



11.3213, 10.7852, 11.9968



3.1958, 3.1552, 3.7613



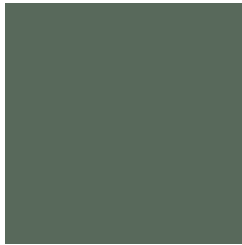
9.5156, 4.6584, 11.6094



48.1999, 23.6219, 57.6485

Previews

White Background



This preview shows how the XYZ color 10.9644, 12.9332, 11.8160 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 10.9644, 12.9332, 11.8160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

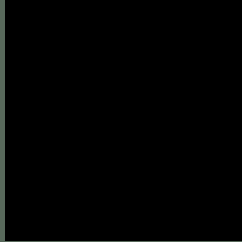
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9644, 12.9332, 11.8160

Background



This preview shows how black text looks on a background with the XYZ color 10.9644, 12.9332, 11.8160.

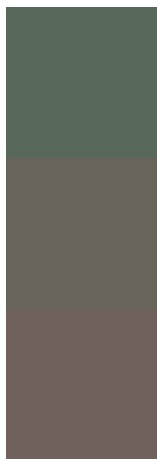


This preview shows how white text looks on a background with the XYZ color 10.9644, 12.9332,

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

10.9644, 12.9332, 11.8160

Protanopia

12.1860, 12.8389, 11.2871

Deuteranopia

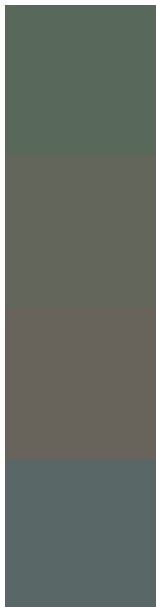
13.0605, 12.8504, 12.1479



Tritanopia

11.8802, 12.8527, 16.6065

Trichromacy



Original Color

10.9644, 12.9332, 11.8160

Protanomaly

11.7424, 12.8936, 11.5427

Deuteranomaly

12.1979, 12.8301, 11.9588

Tritanomaly

11.5149, 12.8534, 14.7060

Monochromacy



Original Color

10.9644, 12.9332, 11.8160

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.3353, 12.5133, 12.6443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9644, 12.9332, 11.8160 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(88, 105, 91)` looks like.

```
.text, #text, p{  
    color:rgb(88, 105, 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(88, 105, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 105, 91) }
```

Border

The CSS property to change the border of an element to XYZ 10.9644, 12.9332, 11.8160 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(88, 105, 91) }
```


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

```
.border{ border-color:rgb(88, 105, 91) }
```

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

Here you see how a box with a 4 pixel rgb(88, 105, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 105, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 105, 91);  
box-shadow:4px 4px 4px 4px rgb(88, 105,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9644, 12.9332, 11.8160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 105, 91) }
```

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

```
.background{ background-color: rgb(88, 105,  
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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