

Converting Colors

XYZ(10.8909, 12.1287, 13.6008)

Have a look what the booklet for
XYZ(10.8909, 12.1287, 13.6008)
contains.

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Color

**XYZ(10.8338, 12.0899,
13.5670)**

Conversions

Conversions Part 1

Format	Color
Hex	586463
RGB	88, 100, 99
RGB Percent	35%, 39%, 39%
CMY	0.6549, 0.6078, 0.6118
CMYK	0.12, 0.00, 0.01, 0.61
HSL	175°, 6%, 37%
HSV	175°, 12%, 39%
XYZ	10.8338, 12.0899, 13.5670
YIQ	96.2980, -6.8310, -2.8550

Conversions

Conversions Part 2

Format	Color
R_{YB}	88, 94, 100
Decimal	5792867
CIE Lab	41.36, -4.81, -1.00
CIE LCh	41, 4.910, 191.746
Yxy	12.0899, 0.2969, 0.3313
Android (android.graphics.Color)	4283982947 (0xFF586463)
YUV	96.2980, 1.3321, -7.2773
Hunter-Lab	34.7705, -5.2314, 1.2052

Details

The XYZ color **10.8338, 12.0899, 13.5670** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5488, 10.4103, 10.9051**, and the grayscale version is **11.1889, 11.7716, 12.8193**.

A 20% lighter version of the original color is **27.0529, 29.7385, 33.1684**, and **2.8706, 3.2955, 3.8530** is the 20% darker color. If you saturate the color by 10%, you get **9.9118, 11.6195, 13.3169**, and if you desaturate by 10%, it is **11.8868, 12.6284, 13.8259**.

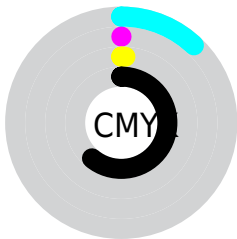
Distribution



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



- Red (35%)
- Yellow (37%)
- Blue (39%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (61%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8338, 12.0899, 13.5670 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 10.8338, 12.0899, 13.5670 by changing the saturation by 10% instead.

■ 10.8338, 12.0899,
13.5670

■ 10.8338, 12.0899,
13.5670

190.4557,
204.9995, 225.8542

■ 6.0217, 6.8049,
7.6848

■ 26.9881, 29.6587,
33.0247

■ 2.8990, 3.3404,
3.8091

■ 39.0610, 42.7114,
47.4374

■ 1.1006, 1.3119,
1.5212

■ 54.2848, 59.1221,
65.5306

■ 0.0256, 0.1504,
0.2336

■ 73.0249, 79.2752,
87.7229

■ 0.0000, 0.0000,
0.0000

■ 95.6467, 103.5551,
114.4329

122.5156,

132.3462, 146.0791

153.9967,
166.0329, 183.0800

■ 10.8338, 12.0899,
13.5670

■ 10.8338, 12.0899,
13.5670

■ 9.9118, 11.6195,
13.3169

■ 11.8868, 12.6284,
13.8259

■ 9.1145, 11.2130,
13.0745

■ 13.0747, 13.2361,
14.0930

■ 8.4366, 10.8681,
12.8399

■ 14.4026, 13.9159,
14.3688

■ 7.8722, 10.5815,
12.6127

■ 15.8748, 14.6702,
14.6535

■ 7.4145, 10.3500,
12.3927

■ 17.4958, 15.5010,
14.9474

■ 7.0564, 10.1697,
12.1794

■ 19.2696, 16.4105,
15.2506

■ 6.7897, 10.0365,
11.9725

■ 21.2001, 17.4008,
15.5634

■ 6.6035, 9.9448,
11.7715

■ 23.2911, 18.4738,
15.8858

■ 6.4742, 9.8815,
11.6131

■ 25.5463, 19.6314,
16.2182

Harmonies

Analogous

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



10.8532, 12.0899, 12.5592



10.8338, 12.0899, 13.5670



10.9879, 12.0899, 14.5129

Triad

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



10.8338, 12.0899, 13.5670



11.9529, 12.0899, 14.6815



11.7069, 12.0899, 11.3884

Complementary

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



10.8338, 12.0899, 13.5670



10.5488, 10.4103, 10.9051

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.



12.0095, 12.0899, 11.9011



10.8338, 12.0899, 13.5670



12.1535, 12.0899, 13.7876

Square

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



10.8338, 12.0899, 13.5670



11.6310, 12.0899, 15.1782



12.1744, 12.0899, 12.7688



11.3523, 12.0899, 11.3361

Rectangle

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



10.8338, 12.0899, 13.5670



11.1701, 12.0899, 14.9674



12.1744, 12.0899, 12.7688



11.8182, 12.0899, 11.5113

Sweetspot

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



10.8341, 12.0904, 13.5673



20.4281, 21.9285, 24.1401



10.4580, 11.9532, 10.9887



4.9988, 5.3815, 5.9331



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



10.8341, 12.0904, 13.5673



18.5827, 20.9856, 23.6769



10.4353, 11.2157, 13.6720



2.8942, 3.1815, 3.5445



8.6611, 13.2281, 15.5086



45.0163, 68.9291, 80.0647

Inverse Universe

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



10.5488, 10.4103, 10.9051



17.9915, 17.5039, 18.1603



10.9142, 11.2079, 10.8208



2.8379, 2.8498, 3.0190



7.0899, 3.6489, 0.6056



36.8320, 18.9728, 2.3927

Previews

White Background



This preview shows how the XYZ color 10.8338, 12.0899, 13.5670 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 10.8338, 12.0899, 13.5670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

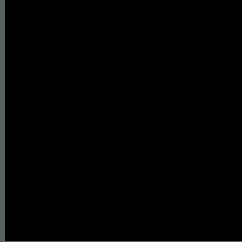
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

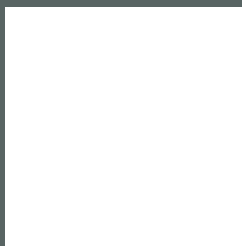
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.8338, 12.0899, 13.5670

Background



This preview shows how black text looks on a background with the XYZ color 10.8338, 12.0899, 13.5670.



This preview shows how white text looks on a background with the XYZ color 10.8338, 12.0899,

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

10.8338, 12.0899, 13.5670

Protanopia

11.5780, 12.0651, 13.0278

Deuteranopia

12.2468, 11.9897, 13.7254



Tritanopia

11.2355, 12.1091, 15.6550

Trichromacy



Original Color

10.8338, 12.0899, 13.5670

Protanomaly

11.2916, 12.0501, 13.2860

Deuteranomaly

11.6287, 11.9385, 13.7481

Tritanomaly

11.0804, 12.0470, 14.8380

Monochromacy



Original Color

10.8338, 12.0899, 13.5670

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.9466, 11.7396, 12.9983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8338, 12.0899, 13.5670 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, 100, 99) looks like.

```
.text, #text, p{  
    color:rgb(88, 100, 99)  
}
```

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, 100, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 100, 99) }
```

Border

The CSS property to change the border of an element to XYZ 10.8338, 12.0899, 13.5670 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, 100, 99) }
```


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

```
.border{ border-color:rgb(88, 100, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 100, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 100, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 100, 99);  
box-shadow:4px 4px 4px 4px rgb(88, 100,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8338, 12.0899, 13.5670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 100, 99) }
```

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

```
.background{ background-color: rgb(88, 100,  
99) }
```

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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