

Converting Colors

XYZ(21.4255, 29.2558, 30.1305)

Have a look what the booklet for
XYZ(21.4255, 29.2558, 30.1305)
contains.

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Color

**XYZ(21.3838, 29.1208,
30.0850)**

Conversions

Conversions Part 1

Format	Color
Hex	57A08E
RGB	87, 160, 142
RGB Percent	34%, 63%, 56%
CMY	0.6588, 0.3725, 0.4431
CMYK	0.46, 0.00, 0.11, 0.37
HSL	165°, 30%, 48%
HSV	165°, 46%, 63%
XYZ	21.3838, 29.1208, 30.0850
YIQ	136.1210, -37.7300, -21.0740

Conversions

Conversions Part 2

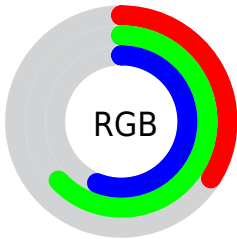
Format	Color
RYB	87, 129, 160
Decimal	5742734
CIELab	60.89, -27.31, 2.30
CIELCh	61, 27.409, 175.184
Yxy	29.1208, 0.2653, 0.3613
Android (android.graphics.Color)	4283932814 (0xFF57A08E)
YUV	136.1210, 2.8983, -43.0791
Hunter-Lab	53.9637, -23.7036, 4.7201

Details

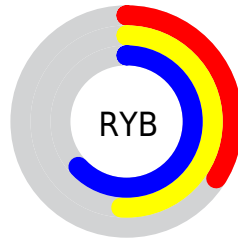
The XYZ color **21.3838, 29.1208, 30.0850** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4562, 15.3108, 15.2430**, and the grayscale version is **23.4474, 24.6685, 26.8640**.

A 20% lighter version of the original color is **45.2487, 58.2491, 61.0829**, and **7.8594, 11.7891, 11.9865** is the 20% darker color. If you saturate the color by 10%, you get **19.7615, 28.3188, 28.4904**, and if you desaturate by 10%, it is **23.3494, 30.1000, 31.7517**.

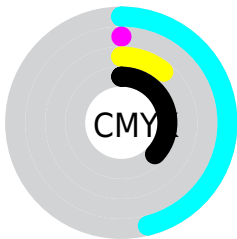
Distribution



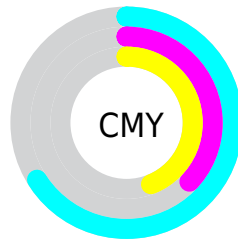
- Red (34%)
- Green (63%)
- Blue (56%)



- Red (34%)
- Yellow (51%)
- Blue (63%)



- Cyan (46%)
- Magenta (0%)
- Yellow (11%)
- Black (37%)



- Cyan (66%)
- Magenta (37%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3838, 29.1208, 30.0850 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 21.3838, 29.1208, 30.0850 by changing the saturation by 10% instead.

■ 21.3838, 29.1208,
30.0850

■ 21.3838, 29.1208,
30.0850

252.0045,
297.7845, 316.5201

■ 13.5189, 19.1722,
19.6505

■ 45.2119, 58.2690,
60.8592

■ 7.8663, 11.7948,
11.9597

■ 61.9058, 78.2373,
82.0359

■ 4.0606, 6.6041,
6.5940

■ 82.2734, 102.3144,
107.6305

■ 1.7365, 3.2158,
3.1350

■ 106.6801,
130.8846, 138.0615

■ 0.4789, 1.2454,
1.1640

135.4912,
164.3323, 173.7474

■ 0.0000, 0.0983,
0.0000

169.0720,

■ 0.0000, 0.0000,

203.0420, 215.1068

0.0000

207.7880,
247.3979, 262.5582

■ 21.3838, 29.1208,
30.0850

■ 21.3838, 29.1208,
30.0850

■ 19.7615, 28.3188,
28.4904

■ 23.3494, 30.1000,
31.7517

■ 18.4577, 27.6791,
26.9643

■ 25.6759, 31.2633,
33.4899

■ 17.4484, 27.1900,
25.5056


■ 28.3828, 32.6215,
35.3018


■ 16.7047, 26.8367,
24.1123


■ 31.4875, 34.1834,
37.1887


■ 16.1887, 26.5996,
22.7822


■ 35.0061, 35.9575,
39.1519

 15.9947, 26.5119,
22.2180

 38.9540, 37.9517,
41.1926

 43.3456, 40.1733,
43.3119

 48.1949, 42.6295,
45.5112

 53.5150, 45.3272,
47.7914

Harmonies

Analogous

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



22.4146, 29.1208, 21.7520



21.3838, 29.1208, 30.0850



21.9174, 29.1208, 40.8347

Triad

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



21.3838, 29.1208, 30.0850



30.7048, 29.1208, 53.0435



31.7873, 29.1208, 18.1465

Complementary

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



21.3838, 29.1208, 30.0850



20.4562, 15.3108, 15.2430

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.



34.3697, 29.1208, 24.0532



21.3838, 29.1208, 30.0850



33.7080, 29.1208, 44.3143

Square

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



21.3838, 29.1208, 30.0850



27.1059, 29.1208, 55.6209



35.1010, 29.1208, 33.3875



28.2590, 29.1208, 15.8700

Rectangle

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



21.3838, 29.1208, 30.0850



23.1148, 29.1208, 47.8057



35.1010, 29.1208, 33.3875



32.8064, 29.1208, 19.7021

Sweetspot

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



21.3846, 29.1220, 30.0857



52.2535, 59.5911, 64.5515



20.1472, 28.8493, 13.5241



11.2239, 12.9506, 14.0072



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.3846, 29.1220, 30.0857



35.7647, 51.3603, 51.6049



19.9124, 23.8371, 36.8105



6.7519, 7.4815, 8.1280



12.4772, 20.6588, 17.4020



0.2386, 0.3756, 0.3928

Inverse Universe

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



20.4562, 15.3108, 15.2430



33.8751, 23.0087, 21.2162



21.2956, 18.3168, 11.4306



6.6968, 6.6716, 7.2545



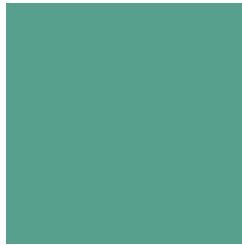
11.5997, 5.9444, 2.1428



0.2226, 0.1124, 0.1183

Previews

White Background



This preview shows how the XYZ color 21.3838, 29.1208, 30.0850 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 21.3838, 29.1208, 30.0850 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 21.3838, 29.1208, 30.0850

Background



This preview shows how black text looks on a background with the XYZ color 21.3838, 29.1208, 30.0850.

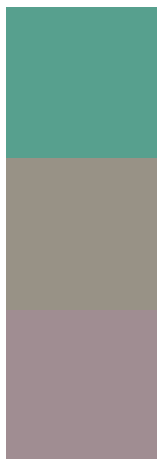


This preview shows how white text looks on a background with the XYZ color 21.3838, 29.1208,

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

21.3838, 29.1208, 30.0850

Protanopia

27.5309, 28.9544, 26.6920

Deuteranopia

29.2104, 28.5987, 31.1747



Tritanopia

23.7692, 29.0744, 41.8953

Trichromacy



Original Color

21.3838, 29.1208, 30.0850

Protanomaly

24.4841, 28.5286, 27.8830

Deuteranomaly

25.3736, 28.2107, 30.8959

Tritanomaly

22.7286, 28.8925, 37.1798

Monochromacy



Original Color

21.3838, 29.1208, 30.0850

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.1841, 25.9373, 27.8819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3838, 29.1208, 30.0850 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(87, 160, 142)` looks like.

```
.text, #text, p{  
    color:rgb(87, 160, 142)  
}
```

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(87, 160, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 160, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.3838, 29.1208, 30.0850 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(87, 160, 142) }
```


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

```
.border{ border-color:rgb(87, 160, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 160, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 160, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 160, 142);  
box-shadow:4px 4px 4px 4px rgb(87, 160,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3838, 29.1208, 30.0850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 160, 142) }
```

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

```
.background{ background-color: rgb(87, 160,  
142) }
```

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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