

Converting Colors

XYZ(30.8319, 35.8725, 38.5985)

Have a look what the booklet for
XYZ(30.8319, 35.8725, 38.5985)
contains.

| | |
|--|----|
| XYZ(30.8290, 35.9466, 38.5712) | 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(30.8290, 35.9466,
38.5712)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8AA8A0 |
| RGB | 138, 168, 160 |
| RGB Percent | 54%, 66%, 63% |
| CMY | 0.4588, 0.3412, 0.3725 |
| CMYK | 0.18, 0.00, 0.05, 0.34 |
| HSL | 164°, 15%, 60% |
| HSV | 164°, 18%, 66% |
| XYZ | 30.8290, 35.9466, 38.5712 |
| YIQ | 158.1180, -15.3120, -8.8480 |

Conversions

Conversions Part 2

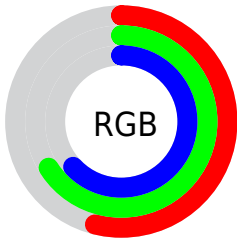
| Format | Color |
|-------------------------------------|--|
| RYB | 138, 155, 168 |
| Decimal | 9087136 |
| CIELab | 66.48, -11.97, 0.69 |
| CIElCh | 66, 11.994, 176.693 |
| Yxy | 35.9466, 0.2926, 0.3412 |
| Android (android.graphics.Color) | 4287277216 (0xFF8AA8A0) |
| YUV | 158.1180, 0.9278, -17.6435 |
| Hunter-Lab | 59.9555, -13.1377, 3.8258 |

Details

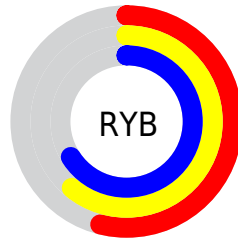
The XYZ color **30.8290, 35.9466, 38.5712** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4265, 28.5780, 31.1081**, and the grayscale version is **32.5546, 34.2500, 37.2982**.

A 20% lighter version of the original color is **60.3916, 68.8881, 74.4037**, and **13.0302, 15.6696, 16.8058** is the 20% darker color. If you saturate the color by 10%, you get **27.8768, 34.4702, 36.4240**, and if you desaturate by 10%, it is **34.2273, 37.6534, 40.8146**.

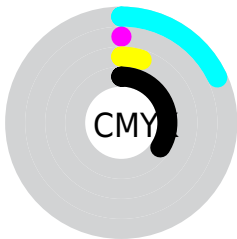
Distribution



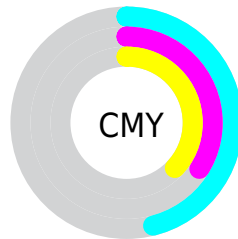
- Red (54%)
- Green (66%)
- Blue (63%)



- Red (54%)
- Yellow (61%)
- Blue (66%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)



- Cyan (46%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8290, 35.9466, 38.5712 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 30.8290, 35.9466, 38.5712 by changing the saturation by 10% instead.

■ 30.8290, 35.9466,
38.5712

■ 30.8290, 35.9466,
38.5712

297.5907,
328.7271, 355.4353

■ 20.6199, 24.3930,
26.1210

■ 60.3484, 68.9496,
74.1959

■ 12.9573, 15.6254,
16.6876

■ 80.3894, 91.1678,
98.2075

■ 7.4759, 9.2595,
9.8524

■ 104.4384,
117.7096, 126.9101

■ 3.8104, 4.9108,
5.1969

132.8607,
148.9595, 160.7221

■ 1.5955, 2.1950,
2.3025

166.0218,
185.3018, 200.0621

■ 0.3895, 0.7173,
0.7326

204.2869,

■ 0.0000, 0.0000,

227.1209, 245.3486

0.0000

248.0214,
274.8012, 297.0001

■ 30.8290, 35.9466,
38.5712

■ 30.8290, 35.9466,
38.5712

■ 27.8768, 34.4702,
36.4240

■ 34.2273, 37.6534,
40.8146

■ 25.3479, 33.2093,
34.3688

■ 38.0873, 39.5955,
43.1534

■ 23.2219, 32.1546,
32.4047

■ 42.4275, 41.7835,
45.5899

■ 21.4754, 31.2939,
30.5298

■ 47.2645, 44.2260,
48.1257

■ 20.0828, 30.6141,
28.7422

■ 52.6141, 46.9309,
50.7622

■ 19.0150, 30.1002,
27.0395

■ 58.4912, 49.9062,
53.5009

■ 18.2381, 29.7348,
25.4194

■ 64.6880, 53.0445,
56.3326

■ 17.6961, 29.4889,
23.8785

■ 65.1901, 53.2453,
58.9767

■ 17.5905, 29.4415,
23.5577

■ 65.7074, 53.4522,
61.7010

Harmonies

Analogous

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



31.3570, 35.9466, 33.9496



30.8290, 35.9466, 38.5712



31.1690, 35.9466, 43.7589

Triad

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



30.8290, 35.9466, 38.5712



35.7431, 35.9466, 48.6709



36.1004, 35.9466, 31.4330

Complementary

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



30.8290, 35.9466, 38.5712



30.4265, 28.5780, 31.1081

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.



37.3496, 35.9466, 34.8576



30.8290, 35.9466, 38.5712



37.1383, 35.9466, 44.8336

Square

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



30.8290, 35.9466, 38.5712



33.9671, 35.9466, 49.8822



37.7359, 35.9466, 39.7138



34.3660, 35.9466, 30.0622

Rectangle

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



30.8290, 35.9466, 38.5712



31.8488, 35.9466, 46.7974



37.7359, 35.9466, 39.7138



36.5933, 35.9466, 32.3666

Sweetspot

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



30.8300, 35.9481, 38.5720



63.9598, 69.2555, 75.2171



30.5343, 35.9987, 29.3844



13.8411, 15.0447, 16.3325



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.8300, 35.9481, 38.5720



53.9626, 64.2379, 68.5970



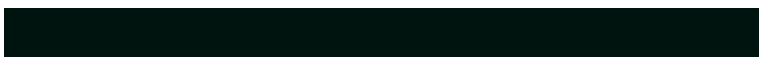
30.3826, 33.8966, 41.9889



7.6609, 8.4974, 9.2002



13.3051, 22.2408, 17.9052



0.3432, 0.5489, 0.5383

Inverse Universe

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



30.4265, 28.5780, 31.1081



53.1078, 48.6138, 52.7775



30.7862, 30.2591, 28.2632



7.6102, 7.5740, 8.2647



12.5684, 6.4361, 2.5386



0.3265, 0.1649, 0.1709

Previews

White Background



This preview shows how the XYZ color 30.8290, 35.9466, 38.5712 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.8290, 35.9466, 38.5712 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 ✓ Pass

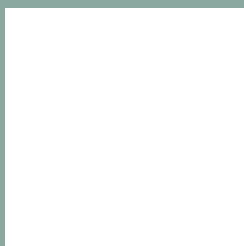
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8290, 35.9466, 38.5712

Background



This preview shows how black text looks on a background with the XYZ color 30.8290, 35.9466, 38.5712.

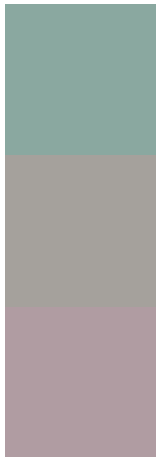


This preview shows how white text looks on a background with the XYZ color 30.8290, 35.9466,

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

30.8290, 35.9466, 38.5712

Protanopia

34.2627, 35.8894, 36.5740

Deuteranopia

36.3146, 35.6157, 39.1429



Tritanopia

32.4755, 35.7873, 47.3155

Trichromacy



Original Color

30.8290, 35.9466, 38.5712

Protanomaly

32.8788, 35.9538, 37.1052

Deuteranomaly

33.9041, 35.3962, 38.7634

Tritanomaly

31.8021, 35.7882, 43.7597

Monochromacy



Original Color

30.8290, 35.9466, 38.5712

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.9408, 34.9232, 37.8583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8290, 35.9466, 38.5712 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(138, 168, 160)` looks like.

```
.text, #text, p{  
    color:rgb(138, 168, 160)  
}
```

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(138, 168, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 168, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.8290, 35.9466, 38.5712 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(138, 168, 160) }
```


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

```
.border{ border-color:rgb(138, 168, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 168, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 168, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 168, 160);  
box-shadow:4px 4px 4px 4px rgb(138, 168,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8290, 35.9466, 38.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 168, 160) }
```

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

```
.background{ background-color: rgb(138,  
168, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor