

Converting Colors

XYZ(29.2169, 40.8983, 31.0539)

Have a look what the booklet for
XYZ(29.2169, 40.8983, 31.0539)
contains.

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Color

**XYZ(29.1860, 40.8788,
31.1631)**

Conversions

Conversions Part 1

Format	Color
Hex	70BB8C
RGB	112, 187, 140
RGB Percent	44%, 73%, 55%
CMY	0.5608, 0.2667, 0.4510
CMYK	0.40, 0.00, 0.25, 0.27
HSL	142°, 36%, 59%
HSV	142°, 40%, 73%
XYZ	29.1860, 40.8788, 31.1631
YIQ	159.2170, -29.6130, -30.5170

Conversions

Conversions Part 2

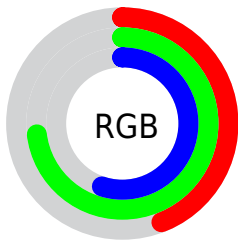
Format	Color
RYB	112, 167, 187
Decimal	7388044
CIELab	70.09, -33.76, 16.63
CIELCh	70, 37.631, 153.773
Yxy	40.8788, 0.2883, 0.4038
Android (android.graphics.Color)	4285578124 (0xFF70BB8C)
YUV	159.2170, -9.4740, -41.4093
Hunter-Lab	63.9365, -30.4065, 15.8572

Details

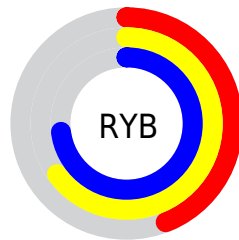
The XYZ color **29.1860, 40.8788, 31.1631** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **32.5470, 24.6572, 35.8462**, and the grayscale version is **33.1065, 34.8306, 37.9305**.

A 20% lighter version of the original color is **58.0246, 76.8119, 62.8069**, and **12.0366, 18.4430, 12.5983** is the 20% darker color. If you saturate the color by 10%, you get **26.2307, 39.4510, 26.7521**, and if you desaturate by 10%, it is **32.7296, 42.6015, 36.0839**.

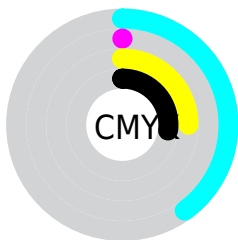
Distribution



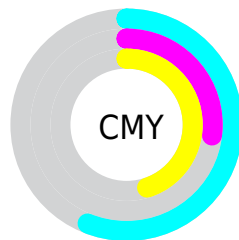
- Red (44%)
- Green (73%)
- Blue (55%)



- Red (44%)
- Yellow (65%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)



- Cyan (56%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1860, 40.8788, 31.1631 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 29.1860, 40.8788, 31.1631 by changing the saturation by 10% instead.

■ 29.1860, 40.8788,
31.1631

■ 29.1860, 40.8788,
31.1631

290.0699,
349.8138, 321.6635

■ 19.3666, 28.2244,
20.4636

■ 57.7680, 76.4999,
62.5793

■ 12.0410, 18.4949,
12.5451

■ 77.2612, 100.2353,
84.1331

■ 6.8440, 11.3059,
6.9890

■ 100.7098,
128.4333, 110.1421

■ 3.4102, 6.2730,
3.3769

128.4791,
161.4781, 141.0248

■ 1.3742, 3.0118,
1.2901

160.9344,
199.7541, 177.1997

■ 0.2377, 1.1379,
0.0537

198.4410,

■ 0.0000, 0.0101,

243.6458, 219.0855

0.0000

241.3644,
293.5376, 267.1005

■ 0.0000, 0.0000,
0.0000

■ 29.1860, 40.8788,
31.1631

■ 29.1860, 40.8788,
31.1631

■ 26.2307, 39.4510,
26.7521

■ 32.7296, 42.6015,
36.0839

■ 23.8269, 38.2961,
22.8315

■ 36.8893, 44.6297,
41.5274

■ 21.9382, 37.3968,
19.3848


■ 41.6948, 46.9796,
47.5096


■ 20.5226, 36.7317,
16.3934


■ 47.1729, 49.6647,
54.0451


■ 19.5305, 36.2758,
13.8374


■ 53.3489, 52.6978,
61.1475

 18.8707, 35.9820,
11.7142

 60.2469, 56.0909,
68.8304

 67.8895, 59.8555,
77.1067

 73.8270, 62.7285,
85.8732

 75.5648, 63.4236,
95.0243

Harmonies

Analogous

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



32.6466, 40.8788, 21.8838



29.1860, 40.8788, 31.1631



28.2126, 40.8788, 46.7749

Triad

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



29.1860, 40.8788, 31.1631



39.6370, 40.8788, 87.5548



49.5312, 40.8788, 28.2190

Complementary

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



29.1860, 40.8788, 31.1631



32.5470, 24.6572, 35.8462

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.



51.8825, 40.8788, 42.3195



29.1860, 40.8788, 31.1631



45.8024, 40.8788, 78.9966

Square

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



29.1860, 40.8788, 31.1631



33.8609, 40.8788, 82.3070



50.4513, 40.8788, 61.2093



44.3155, 40.8788, 20.5253

Rectangle

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



29.1860, 40.8788, 31.1631



29.0095, 40.8788, 59.5984



50.4513, 40.8788, 61.2093



50.7064, 40.8788, 32.2109

Sweetspot

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



29.1871, 40.8805, 31.1640



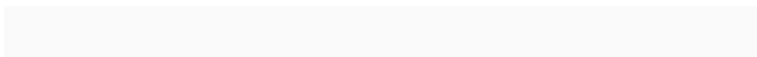
72.7784, 83.2098, 82.7695



35.0938, 44.1345, 21.9988



15.7713, 18.1991, 17.9121



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.1871, 40.8805, 31.1640



47.6236, 70.9654, 48.9114



32.3895, 42.1614, 48.0275



9.5521, 10.7070, 10.8910



13.0339, 24.8039, 8.2415



0.5425, 0.9844, 0.4910

Inverse Universe

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



32.5470, 24.6572, 35.8462



54.4510, 37.9516, 58.3906



29.8017, 23.5591, 21.3895



9.7748, 9.6342, 11.2030



16.3760, 8.1816, 12.5397



0.6722, 0.3328, 0.6528

Previews

White Background



This preview shows how the XYZ color 29.1860, 40.8788, 31.1631 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 29.1860, 40.8788, 31.1631 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 29.1860, 40.8788, 31.1631

Background



This preview shows how black text looks on a background with the XYZ color 29.1860, 40.8788, 31.1631.

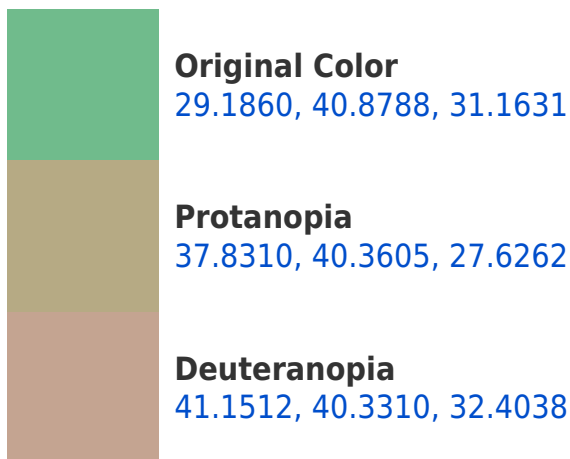


This preview shows how white text looks on a background with the XYZ color 29.1860, 40.8788,

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





Tritanopia

34.3710, 40.8226, 57.1069

Trichromacy



Original Color

29.1860, 40.8788, 31.1631

Protanomaly

33.8031, 39.9680, 28.8547

Deuteranomaly

35.2275, 39.4876, 31.7518

Tritanomaly

32.3192, 40.9160, 46.2386

Monochromacy



Original Color

29.1860, 40.8788, 31.1631

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.0108, 36.3937, 35.0960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1860, 40.8788, 31.1631 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(112, 187, 140)` looks like.

```
.text, #text, p{  
    color:rgb(112, 187, 140)  
}
```

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(112, 187, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 187, 140) }
```

Border

The CSS property to change the border of an element to XYZ 29.1860, 40.8788, 31.1631 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(112, 187, 140) }
```


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

```
.border{ border-color:rgb(112, 187, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 187, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 187, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 187, 140);  
box-shadow:4px 4px 4px 4px rgb(112, 187,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1860, 40.8788, 31.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 187, 140) }
```

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

```
.background{ background-color: rgb(112,  
187, 140) }
```

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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