

Converting Colors

XYZ(29.0546, 30.4026, 31.7002)

Have a look what the booklet for
XYZ(29.0546, 30.4026, 31.7002)
contains.

XYZ(28.8846, 30.2456, 31.5097)	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(28.8846, 30.2456,
31.5097)**

Conversions

Conversions Part 1

Format	Color
Hex	989592
RGB	152, 149, 146
RGB Percent	60%, 58%, 57%
CMY	0.4039, 0.4157, 0.4274
CMYK	0.00, 0.02, 0.04, 0.40
HSL	30°, 3%, 58%
HSV	30°, 4%, 60%
XYZ	28.8846, 30.2456, 31.5097
YIQ	149.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

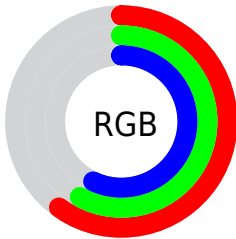
Format	Color
RYB	152, 152, 146
Decimal	9999762
CIELab	61.87, 0.53, 1.96
CIELCh	62, 2.033, 74.811
Yxy	30.2456, 0.3187, 0.3337
Android (android.graphics.Color)	4288189842 (0xFF989592)
YUV	149.5550, -1.7526, 2.1443
Hunter-Lab	54.9960, -2.4925, 4.5273

Details

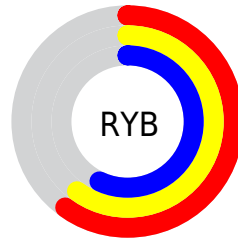
The XYZ color **28.8846, 30.2456, 31.5097** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.2689, 29.8723, 33.9820**, and the grayscale version is **28.8081, 30.3083, 33.0058**.

A 20% lighter version of the original color is **57.2349, 60.0038, 63.2089**, and **11.8458, 12.3466, 12.8251** is the 20% darker color. If you saturate the color by 10%, you get **26.6179, 27.4800, 25.3033**, and if you desaturate by 10%, it is **31.3886, 33.2333, 38.5716**.

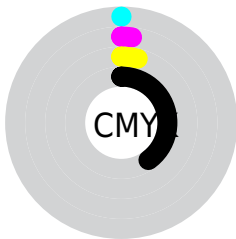
Distribution



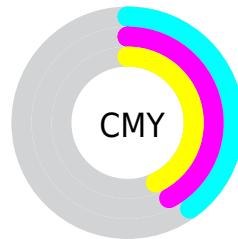
- Red (60%)
- Green (58%)
- Blue (57%)



- Red (60%)
- Yellow (60%)
- Blue (57%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (40%)



- Cyan (40%)
- Magenta (42%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8846, 30.2456, 31.5097 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 28.8846, 30.2456, 31.5097 by changing the saturation by 10% instead.

■ 28.8846, 30.2456,
31.5097

■ 28.8846, 30.2456,
31.5097

288.6741,
303.0476, 323.3033

■ 19.1374, 20.0251,
20.7256

■ 57.2925, 60.0504,
63.1306

■ 11.8742, 12.4133,
12.7343

■ 76.6839, 80.4034,
84.8045

■ 6.7297, 7.0258,
7.1172

100.0208,
104.9027, 110.9453

■ 3.3384, 3.4782,
3.4560

127.6684,
133.9327, 141.9717

■ 1.3352, 1.3862,
1.3319

159.9922,
167.8778, 178.3021

■ 0.2093, 0.2065,
0.0877

197.3575,

■ 0.0000, 0.0000,

207.1224, 220.3552

0.0000

240.1297,
252.0509, 268.5494

■ 28.8846, 30.2456,
31.5097

■ 28.8846, 30.2456,
31.5097

■ 26.6179, 27.4800,
25.3033

■ 31.3886, 33.2333,
38.5716

■ 24.5783, 24.9273,
19.9176

■ 34.1345, 36.4445,
46.5181

■ 22.7585, 22.5830,
15.3180

■ 37.1302, 39.8855,
55.3795

■ 21.1500, 20.4412,
11.4670

■ 40.3823, 43.5610,
65.1839

■ 19.7435, 18.4956,
8.3239

■ 43.8972, 47.4758,
75.9583

■ 18.5288, 16.7394,
5.8439

■ 47.6809, 51.6345,
87.7285

■ 17.4950, 15.1655,
3.9772

■ 51.7395, 56.0413,
100.5195

■ 16.6295, 13.7659,
2.6668

■ 53.9824, 59.8623,
103.3171

■ 15.9175, 12.5317,
1.8441

■ 55.8987, 63.6948,
103.9559

Harmonies

Analogous

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



29.1197, 30.2456, 31.8893



28.8846, 30.2456, 31.5097



28.6142, 30.2456, 31.5072

Triad

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



28.8846, 30.2456, 31.5097



28.2455, 30.2456, 33.3162



29.1172, 30.2456, 34.0050

Complementary

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



28.8846, 30.2456, 31.5097



28.2689, 29.8723, 33.9820

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.



28.8813, 30.2456, 34.3997



28.8846, 30.2456, 31.5097



28.3786, 30.2456, 33.9978

Square

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



28.8846, 30.2456, 31.5097



28.2464, 30.2456, 32.5419



28.6109, 30.2456, 34.3971



29.2546, 30.2456, 33.3258

Rectangle

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



28.8846, 30.2456, 31.5097



28.4504, 30.2456, 31.7194



28.6109, 30.2456, 34.3971



29.0467, 30.2456, 34.1758

Sweetspot

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



28.8854, 30.2469, 31.5104



52.2351, 54.8911, 59.1088



28.6529, 29.4035, 32.5994



11.8785, 12.4834, 13.4518



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



28.8854, 30.2469, 31.5104



50.5040, 52.8071, 54.2827



29.3657, 31.2075, 31.6705



6.6498, 6.9490, 7.1063



13.0597, 10.0019, 1.2422



0.2316, 0.2222, 0.0307

Inverse Universe

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



28.2689, 29.8723, 33.9820



49.1091, 51.9596, 59.8746



27.8008, 28.9362, 33.8260



6.4501, 6.8277, 7.9069



6.9457, 6.2881, 25.7554



0.1402, 0.1667, 0.3972

Previews

White Background



This preview shows how the XYZ color 28.8846, 30.2456, 31.5097 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 28.8846, 30.2456, 31.5097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

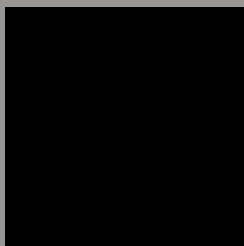
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

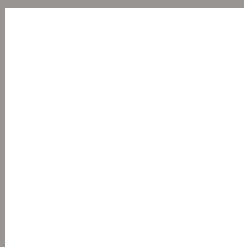
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8846, 30.2456, 31.5097

Background



This preview shows how black text looks on a background with the XYZ color 28.8846, 30.2456, 31.5097.



This preview shows how white text looks on a background with the XYZ color 28.8846, 30.2456,

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

28.8846, 30.2456, 31.5097

Protanopia

29.0726, 30.3425, 31.5185

Deuteranopia

30.9089, 30.3567, 31.8341



Tritanopia

30.0182, 30.2407, 37.0558

Trichromacy



Original Color

28.8846, 30.2456, 31.5097

Protanomaly

29.0726, 30.3425, 31.5185

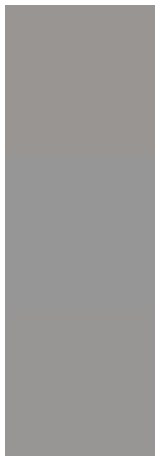
Deuteranomaly

30.0425, 30.1379, 31.8376

Tritanomaly

29.5595, 30.2852, 34.8595

Monochromacy



Original Color

28.8846, 30.2456, 31.5097

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.0937, 30.5619, 32.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8846, 30.2456, 31.5097 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(152, 149, 146)` looks like.

```
.text, #text, p{  
    color:rgb(152, 149, 146)  
}
```

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(152, 149, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 149, 146) }
```

Border

The CSS property to change the border of an element to XYZ 28.8846, 30.2456, 31.5097 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(152, 149, 146) }
```


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

```
.border{ border-color:rgb(152, 149, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 149, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 149, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 149, 146);  
box-shadow:4px 4px 4px 4px rgb(152, 149,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8846, 30.2456, 31.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 149, 146) }
```

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

```
.background{ background-color: rgb(152,  
149, 146) }
```

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