

Converting Colors

XYZ(29.9814, 31.0676, 54.3020)

Have a look what the booklet for
XYZ(29.9814, 31.0676, 54.3020)
contains.

XYZ(29.9486, 31.0081, 54.2759)	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(29.9486, 31.0081,
54.2759)**

Conversions

Conversions Part 1

Format	Color
Hex	8298C0
RGB	130, 152, 192
RGB Percent	51%, 60%, 75%
CMY	0.4902, 0.4039, 0.2471
CMYK	0.32, 0.21, 0.00, 0.25
HSL	219°, 33%, 63%
HSV	219°, 32%, 75%
XYZ	29.9486, 31.0081, 54.2759
YIQ	149.9820, -25.9520, 7.7760

Conversions

Conversions Part 2

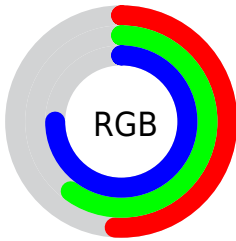
Format	Color
R_{YB}	130, 146, 192
Decimal	8558784
CIE Lab	62.51, 1.81, -23.21
CIE LCh	63, 23.280, 274.468
Yxy	31.0081, 0.2599, 0.2691
Android (android.graphics.Color)	4286748864 (0xFF8298C0)
YUV	149.9820, 20.7149, -17.5242
Hunter-Lab	55.6849, -1.4473, -18.8103

Details

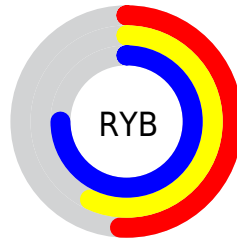
The XYZ color **29.9486, 31.0081, 54.2759** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.1428, 41.5681, 27.0278**, and the grayscale version is **28.9054, 30.4108, 33.1173**.

A 20% lighter version of the original color is **58.9374, 61.1725, 98.3237**, and **12.3830, 12.7620, 25.8554** is the 20% darker color. If you saturate the color by 10%, you get **25.3674, 25.8167, 53.5159**, and if you desaturate by 10%, it is **35.2914, 36.9052, 55.1331**.

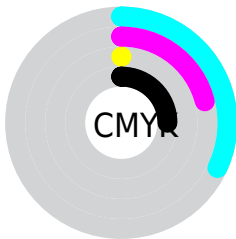
Distribution



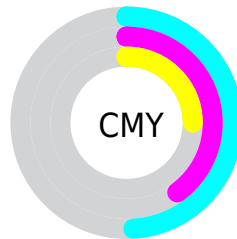
- Red (51%)
- Green (60%)
- Blue (75%)



- Red (51%)
- Yellow (57%)
- Blue (75%)



- Cyan (32%)
- Magenta (21%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (40%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9486, 31.0081, 54.2759 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 29.9486, 31.0081, 54.2759 by changing the saturation by 10% instead.

■ 29.9486, 31.0081,
54.2759

■ 29.9486, 31.0081,
54.2759

293.5789,
306.5756, 420.3656

■ 19.9475, 20.6050,
38.4276

■ 58.9681, 61.2528,
97.9397

■ 12.4649, 12.8356,
26.0103

■ 78.7171, 81.8633,
126.5923

■ 7.1356, 7.3154,
16.6055

■ 102.4461,
106.6449, 160.3501

■ 3.5941, 3.6601,
9.7947

130.5206,
135.9822, 199.6316

■ 1.4752, 1.4853,
5.1592

163.3057,
170.2595, 244.8553

■ 0.3088, 0.2784,
2.2806

201.1669,

■ 0.0000, 0.0000,

209.8613, 296.4399

0.7203

244.4695,
255.1719, 354.8038

■ 0.0000, 0.0000,
0.0000

■ 29.9486, 31.0081,
54.2759

■ 29.9486, 31.0081,
54.2759

■ 25.3674, 25.8167,
53.5159

■ 35.2914, 36.9052,
55.1331

■ 21.5076, 21.2987,
52.8472

■ 41.4270, 43.5311,
56.0886

■ 18.3299, 17.4246,
52.2669

■ 48.3887, 50.9125,
57.1465

■ 15.7897, 14.1607,
51.7708

■ 56.2069, 59.0733,
58.3096

■ 13.8363, 11.4698,
51.3544

■ 64.9103, 68.0366,
59.5810

■ 12.4102, 9.3094,
51.0125

■ 74.5263, 77.8241,
60.9633

■ 11.5897, 7.9561,
50.7946

■ 81.5365, 86.6298,
62.2935

■ 85.2824, 94.1215,
63.5421

■ 86.5145, 96.5858,
63.9529

Harmonies

Analogous

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



26.9277, 31.0081, 52.0454



29.9486, 31.0081, 54.2759



33.0501, 31.0081, 50.2557

Triad

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



29.9486, 31.0081, 54.2759



34.7764, 31.0081, 24.8329



24.3177, 31.0081, 26.7975

Complementary

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



29.9486, 31.0081, 54.2759



40.1428, 41.5681, 27.0278

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.



26.1624, 31.0081, 21.3416



29.9486, 31.0081, 54.2759



32.1723, 31.0081, 20.3578

Square

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



29.9486, 31.0081, 54.2759



35.9613, 31.0081, 32.4238



29.0010, 31.0081, 19.2040



23.8150, 31.0081, 35.1377

Rectangle

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



29.9486, 31.0081, 54.2759



34.7041, 31.0081, 44.9311



29.0010, 31.0081, 19.2040



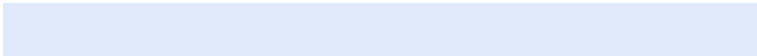
24.7946, 31.0081, 24.6175

Sweetspot

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



29.9496, 31.0093, 54.2766



77.6225, 81.6081, 102.0211



35.2428, 45.3204, 44.5585



16.2857, 17.1162, 21.8307



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.9496, 31.0093, 54.2766



48.0461, 49.1643, 97.3176



28.0234, 25.1981, 53.2565



9.8142, 10.3198, 12.7595



7.8657, 5.4878, 34.2013



0.4052, 0.3679, 1.4995

Inverse Universe

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



35.3892, 29.4397, 33.5243



59.6603, 46.4936, 52.8565



42.5829, 49.4691, 28.4242



10.2175, 10.1356, 11.2361



15.3662, 7.8362, 4.5745



0.6969, 0.3518, 0.3715

Previews

White Background



This preview shows how the XYZ color 29.9486, 31.0081, 54.2759 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 29.9486, 31.0081, 54.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

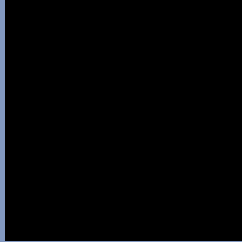
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9486, 31.0081, 54.2759

Background



This preview shows how black text looks on a background with the XYZ color 29.9486, 31.0081, 54.2759.



This preview shows how white text looks on a background with the XYZ color 29.9486, 31.0081,

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

29.9486, 31.0081, 54.2759

Protanopia

31.0262, 30.8753, 53.0395

Deuteranopia

31.5432, 30.8697, 54.7480



Tritanopia

27.5073, 31.0015, 42.0702

Trichromacy



Original Color

29.9486, 31.0081, 54.2759

Protanomaly

30.6268, 30.8926, 53.6389

Deuteranomaly

30.8543, 30.7484, 54.7609

Tritanomaly

28.4096, 31.1290, 46.1061

Monochromacy



Original Color

29.9486, 31.0081, 54.2759

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.1858, 30.6895, 39.9827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9486, 31.0081, 54.2759 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(130, 152, 192)` looks like.

```
.text, #text, p{  
    color:rgb(130, 152, 192)  
}
```

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(130, 152, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 152, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.9486, 31.0081, 54.2759 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(130, 152, 192) }
```


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

```
.border{ border-color:rgb(130, 152, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 152, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 152, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 152, 192);  
box-shadow:4px 4px 4px 4px rgb(130, 152,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9486, 31.0081, 54.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 152, 192) }
```

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

```
.background{ background-color: rgb(130,  
152, 192) }
```

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