

Converting Colors

XYZ(31.0512, 30.0139, 67.1804)

Have a look what the booklet for
XYZ(31.0512, 30.0139, 67.1804)
contains.

XYZ(31.0481, 30.1072, 67.1256)	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(31.0481, 30.1072,
67.1256)**

Conversions

Conversions Part 1

Format	Color
Hex	7E93D5
RGB	126, 147, 213
RGB Percent	49%, 58%, 84%
CMY	0.5059, 0.4235, 0.1647
CMYK	0.41, 0.31, 0.00, 0.16
HSL	226°, 51%, 66%
HSV	226°, 41%, 84%
XYZ	31.0481, 30.1072, 67.1256
YIQ	148.2450, -33.7020, 16.0740

Conversions

Conversions Part 2

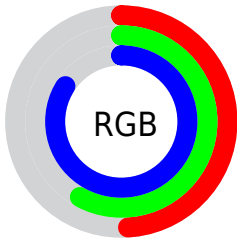
Format	Color
RYB	126, 143, 213
Decimal	8295381
CIELab	61.75, 9.24, -36.17
CIELCh	62, 37.333, 284.325
Yxy	30.1072, 0.2420, 0.2347
Android (android.graphics.Color)	4286485461 (0xFF7E93D5)
YUV	148.2450, 31.9242, -19.5089
Hunter-Lab	54.8700, 4.9813, -34.1238

Details

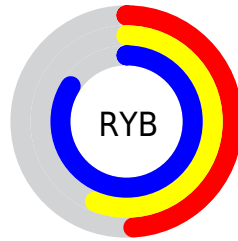
The XYZ color **31.0481, 30.1072, 67.1256** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.0568, 53.3525, 27.3996**, and the grayscale version is **28.1324, 29.5975, 32.2317**.

A 20% lighter version of the original color is **58.2280, 58.9384, 102.9150**, and **13.1187, 12.3957, 34.0489** is the 20% darker color. If you saturate the color by 10%, you get **25.8966, 23.9802, 66.2150**, and if you desaturate by 10%, it is **37.2233, 37.2870, 68.1865**.

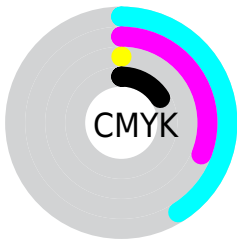
Distribution



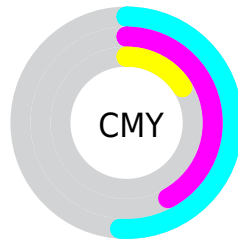
- Red (49%)
- Green (58%)
- Blue (84%)



- Red (49%)
- Yellow (56%)
- Blue (84%)



- Cyan (41%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (51%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0481, 30.1072, 67.1256 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 31.0481, 30.1072, 67.1256 by changing the saturation by 10% instead.

■ 31.0481, 30.1072,
67.1256

■ 31.0481, 30.1072,
67.1256

298.5828,
302.4038, 468.9054

■ 20.7875, 19.9200,
48.7245

■ 60.6911, 59.8317,
116.7427

■ 13.0803, 12.3369,
34.0369

■ 80.8042, 80.1377,
148.7958

■ 7.5613, 6.9735,
22.6444

■ 104.9322,
104.5854, 186.2366

■ 3.8649, 3.4456,
14.1283

133.4404,
133.5593, 229.4836

■ 1.6260, 1.3685,
8.0702

166.6943,
167.4437, 278.9555

■ 0.4093, 0.1934,
4.0515

205.0590,

■ 0.0000, 0.0000,

206.6230, 335.0707

1.6536

248.9001,
251.4815, 398.2478

■ 0.0000, 0.0000,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 31.0481, 30.1072,
67.1256

■ 31.0481, 30.1072,
67.1256

■ 25.8966, 23.9802,
66.2150

■ 37.2233, 37.2870,
68.1865

■ 21.7082, 18.8514,
65.4458

■ 44.4719, 45.5640,
69.4021

■ 18.4206, 14.6659,
64.8112

■ 52.8440, 54.9840,
70.7791

■ 15.9621, 11.3618,
64.3031

■ 62.3856, 65.5890,
72.3232

■ 14.2493, 8.8687,
63.9121

■ 73.1401, 77.4190,
74.0398

■ 13.2123, 7.2082,
63.6462

■ 85.1486, 90.5121,
75.9341

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

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



26.1090, 30.1072, 66.8566



31.0481, 30.1072, 67.1256



35.8321, 30.1072, 56.5395

Triad

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



31.0481, 30.1072, 67.1256



36.0176, 30.1072, 17.1262



20.3602, 30.1072, 25.9242

Complementary

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



31.0481, 30.1072, 67.1256



50.0568, 53.3525, 27.3996

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.



22.4402, 30.1072, 16.8319



31.0481, 30.1072, 67.1256



31.2785, 30.1072, 12.8497

Square

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



31.0481, 30.1072, 67.1256



38.9186, 30.1072, 26.4610



26.3143, 30.1072, 12.7604



20.3138, 30.1072, 40.0362

Rectangle

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



31.0481, 30.1072, 67.1256



38.1299, 30.1072, 46.1384



26.3143, 30.1072, 12.7604



20.8329, 30.1072, 22.2888

Sweetspot

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



31.0492, 30.1083, 67.1263



77.7111, 80.7242, 106.0933



41.8308, 55.7974, 58.0007



16.2630, 16.8633, 22.6477



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.0492, 30.1083, 67.1263



39.8709, 37.1845, 99.6836



31.6397, 25.9995, 66.3021



11.9836, 12.4906, 15.7168



8.1377, 4.5371, 38.9000



0.5561, 0.4042, 2.3680

Inverse Universe

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



40.1688, 31.1755, 31.5053



55.5929, 39.7840, 38.1034



49.1097, 60.2043, 28.7720



12.5449, 12.4695, 13.5438



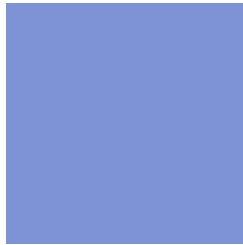
17.1664, 8.8029, 2.9142



1.0683, 0.5441, 0.3493

Previews

White Background



This preview shows how the XYZ color 31.0481, 30.1072, 67.1256 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 31.0481, 30.1072, 67.1256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

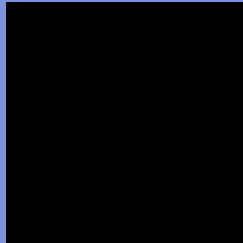
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0481, 30.1072, 67.1256

Background



This preview shows how black text looks on a background with the XYZ color 31.0481, 30.1072, 67.1256.



This preview shows how white text looks on a background with the XYZ color 31.0481, 30.1072,

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

31.0481, 30.1072, 67.1256

Protanopia

31.3460, 30.2607, 67.1396

Deuteranopia

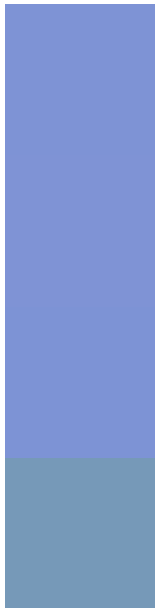
30.7561, 29.9566, 67.1120



Tritanopia

25.8958, 30.1815, 41.5065

Trichromacy



Original Color

31.0481, 30.1072, 67.1256

Protanomaly

31.1964, 30.1836, 67.1326

Deuteranomaly

30.9014, 30.0315, 67.1188

Tritanomaly

27.5142, 30.0947, 49.7061

Monochromacy



Original Color

31.0481, 30.1072, 67.1256

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.8515, 29.7338, 43.2483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0481, 30.1072, 67.1256 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(126, 147, 213)` looks like.

```
.text, #text, p{  
    color:rgb(126, 147, 213)  
}
```

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(126, 147, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 147, 213) }
```

Border

The CSS property to change the border of an element to XYZ 31.0481, 30.1072, 67.1256 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(126, 147, 213) }
```


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

```
.border{ border-color:rgb(126, 147, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 147, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 147, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 147, 213);  
box-shadow:4px 4px 4px 4px rgb(126, 147,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0481, 30.1072, 67.1256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 147, 213) }
```

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

```
.background{ background-color: rgb(126,  
147, 213) }
```

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