

Converting Colors

XYZ(31.8791, 47.0080, 28.4861)

Have a look what the booklet for
XYZ(31.8791, 47.0080, 28.4861)
contains.

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Color

**XYZ(31.8553, 46.9624,
28.5048)**

Conversions

Conversions Part 1

Format	Color
Hex	72C982
RGB	114, 201, 130
RGB Percent	45%, 79%, 51%
CMY	0.5529, 0.2117, 0.4902
CMYK	0.43, 0.00, 0.35, 0.21
HSL	131°, 45%, 62%
HSV	131°, 43%, 79%
XYZ	31.8553, 46.9624, 28.5048
YIQ	166.8930, -29.0610, -40.5250

Conversions

Conversions Part 2

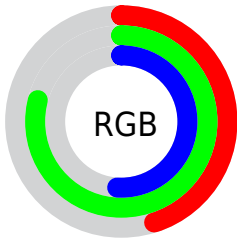
Format	Color
RYB	114, 187, 201
Decimal	7522690
CIELab	74.17, -41.33, 27.52
CIElCh	74, 49.655, 146.350
Yxy	46.9624, 0.2968, 0.4376
Android (android.graphics.Color)	4285712770 (0xFF72C982)
YUV	166.8930, -18.1882, -46.3872
Hunter-Lab	68.5291, -36.9514, 23.3086

Details

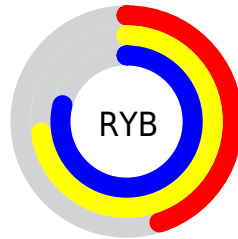
The XYZ color **31.8553, 46.9624, 28.5048** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.8631, 27.9558, 49.2481**, and the grayscale version is **36.7753, 38.6905, 42.1340**.

A 20% lighter version of the original color is **60.8848, 83.4849, 57.7050**, and **13.5305, 22.0668, 11.1356** is the 20% darker color. If you saturate the color by 10%, you get **28.5079, 45.3553, 23.0520**, and if you desaturate by 10%, it is **35.9552, 48.9398, 34.9112**.

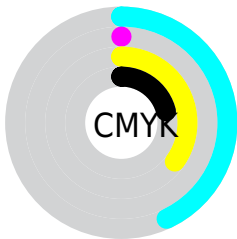
Distribution



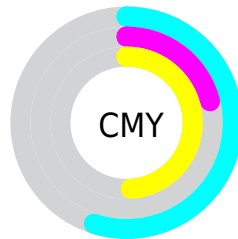
- Red (45%)
- Green (79%)
- Blue (51%)



- Red (45%)
- Yellow (73%)
- Blue (79%)



- Cyan (43%)
- Magenta (0%)
- Yellow (35%)
- Black (21%)




- Cyan (55%)
- Magenta (21%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8553, 46.9624, 28.5048 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 31.8553, 46.9624, 28.5048 by changing the saturation by 10% instead.


 31.8553, 46.9624,
28.5048


 31.8553, 46.9624,
28.5048


302.2166,
374.6644, 308.8587


 21.4060, 33.0059,
18.4642


 61.9509, 85.6575,
58.3221

 13.5353, 22.1310,
11.1109


 82.3279, 111.1649,
78.9360

 7.8777, 13.9532,
6.0264


 106.7449,
141.2914, 103.9112

 4.0679, 8.0881,
2.7921

135.5672,
176.4215, 133.6665

 1.7406, 4.1514,
0.9895

169.1602,
216.9394, 168.6204

 0.4815, 1.7586,
0.0000

207.8891,

 0.0000, 0.4612,

263.2296, 209.1914

0.0000

252.1195,
315.6765, 255.7979

■ 0.0000, 0.0000,
0.0000

■ 31.8553, 46.9624,
28.5048

■ 31.8553, 46.9624,
28.5048

■ 28.5079, 45.3553,
23.0520

■ 35.9552, 48.9398,
34.9112

■ 25.8630, 44.0898,
18.5040

■ 40.8462, 51.3025,
42.3104

■ 23.8702, 43.1421,
14.8128


■ 46.5687, 54.0718,
50.7433


■ 22.4706, 42.4830,
11.9243

■ 53.1593, 57.2659,
60.2476


■ 21.5942, 42.0778,
9.7783

■ 60.6523, 60.9015,
70.8591

 21.2210, 41.9085,
8.7183

 69.0801, 64.9948,
82.6119

 78.4737, 69.5610,
95.5386

 80.1776, 70.2551,
103.9425

Harmonies

Analogous

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



37.4651, 46.9624, 18.5947



31.8553, 46.9624, 28.5048



29.6466, 46.9624, 48.0774

Triad

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



31.8553, 46.9624, 28.5048



43.5559, 46.9624, 117.2772



61.7900, 46.9624, 32.3236

Complementary

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



31.8553, 46.9624, 28.5048



38.8631, 27.9558, 49.2481

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.



63.9802, 46.9624, 54.3176



31.8553, 46.9624, 28.5048



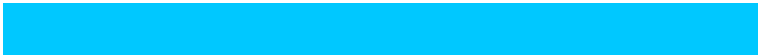
52.6689, 46.9624, 108.8088

Square

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



31.8553, 46.9624, 28.5048



35.8112, 46.9624, 103.7288



60.4469, 46.9624, 83.3747



54.8039, 46.9624, 20.2298

Rectangle

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



31.8553, 46.9624, 28.5048



30.1497, 46.9624, 66.2045



60.4469, 46.9624, 83.3747



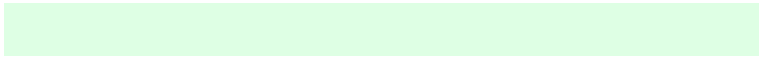
63.1484, 46.9624, 38.5440

Sweetspot

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



31.8565, 46.9644, 28.5059



79.8345, 92.6244, 87.0307



43.9453, 53.3110, 23.8937



16.5906, 19.5847, 17.9020



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.



31.8565, 46.9644, 28.5059



49.0926, 77.7867, 39.9432



35.4138, 48.3873, 47.2385



10.5758, 11.9192, 11.7165



13.3673, 26.3593, 5.6126



0.6578, 1.2581, 0.3967

Inverse Universe

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



38.8631, 27.9558, 49.2481



62.6179, 41.0252, 79.9331



34.9548, 26.3924, 28.6670



10.9962, 10.7819, 12.9632



19.3917, 9.5062, 23.0701



0.9406, 0.4591, 1.2102

Previews

White Background



This preview shows how the XYZ color 31.8553, 46.9624, 28.5048 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 31.8553, 46.9624, 28.5048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

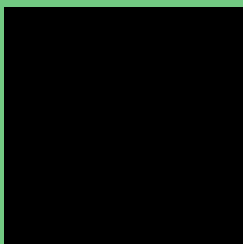
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

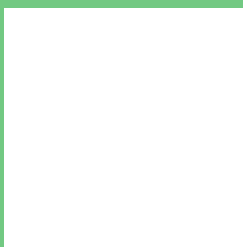
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8553, 46.9624, 28.5048

Background



This preview shows how black text looks on a background with the XYZ color 31.8553, 46.9624, 28.5048.



This preview shows how white text looks on a background with the XYZ color 31.8553, 46.9624,

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

31.8553, 46.9624, 28.5048

Protanopia

43.0627, 46.3232, 25.0840

Deuteranopia

47.3115, 46.3458, 29.7446



Tritanopia

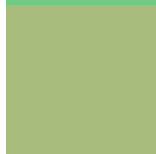
39.4722, 47.0296, 66.0287

Trichromacy



Original Color

31.8553, 46.9624, 28.5048



Protanomaly

37.6212, 45.6626, 26.2329



Deuteranomaly

39.8037, 45.4672, 29.2324



Tritanomaly

36.1092, 46.6449, 49.7480

Monochromacy



Original Color

31.8553, 46.9624, 28.5048



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.1656, 40.8692, 36.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8553, 46.9624, 28.5048 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(114, 201, 130)` looks like.

```
.text, #text, p{  
    color:rgb(114, 201, 130)  
}
```

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(114, 201, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 201, 130) }
```

Border

The CSS property to change the border of an element to XYZ 31.8553, 46.9624, 28.5048 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(114, 201, 130) }
```


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

```
.border{ border-color:rgb(114, 201, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 201, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 201, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 201, 130);  
box-shadow:4px 4px 4px 4px rgb(114, 201,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8553, 46.9624, 28.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 201, 130) }
```

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

```
.background{ background-color: rgb(114,  
201, 130) }
```

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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