

Converting Colors

XYZ(31.1083, 45.7393, 30.0667)

Have a look what the booklet for
XYZ(31.1083, 45.7393, 30.0667)
contains.

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Color

**XYZ(31.2270, 45.9111,
30.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	6EC787
RGB	110, 199, 135
RGB Percent	43%, 78%, 53%
CMY	0.5686, 0.2196, 0.4706
CMYK	0.45, 0.00, 0.32, 0.22
HSL	137°, 44%, 61%
HSV	137°, 45%, 78%
XYZ	31.2270, 45.9111, 30.1376
YIQ	165.0930, -32.5000, -38.7720

Conversions

Conversions Part 2

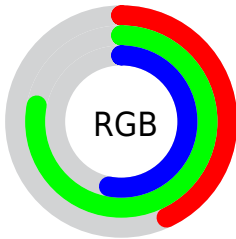
Format	Color
RYB	110, 179, 199
Decimal	7260039
CIELab	73.49, -40.71, 23.95
CIELCh	73, 47.233, 149.534
Yxy	45.9111, 0.2911, 0.4280
Android (android.graphics.Color)	4285450119 (0xFF6EC787)
YUV	165.0930, -14.8358, -48.3166
Hunter-Lab	67.7577, -36.3121, 21.0591

Details

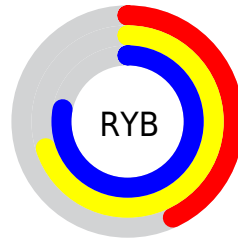
The XYZ color **31.2270, 45.9111, 30.1376** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.7706, 26.3509, 43.1942**, and the grayscale version is **35.8899, 37.7589, 41.1195**.

A 20% lighter version of the original color is **60.6712, 83.3011, 61.0251**, and **13.1343, 21.3867, 12.0301** is the 20% darker color. If you saturate the color by 10%, you get **28.0829, 44.4002, 25.0802**, and if you desaturate by 10%, it is **35.0650, 47.7666, 35.9365**.

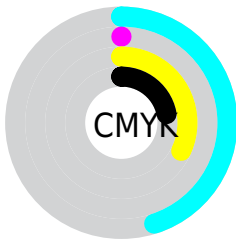
Distribution



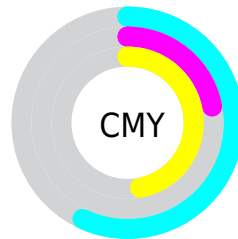
- Red (43%)
- Green (78%)
- Blue (53%)



- Red (43%)
- Yellow (70%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)




- Cyan (57%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2270, 45.9111, 30.1376 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 31.2270, 45.9111, 30.1376 by changing the saturation by 10% instead.


 31.2270, 45.9111,
30.1376


 31.2270, 45.9111,
30.1376


299.3910,
370.4511, 316.7726


 20.9244, 32.1757,
19.6901


 60.9707, 84.0859,
60.9433


 13.1809, 21.4957,
11.9882


 81.1425, 109.2941,
82.1386

 7.6311, 13.4868,
6.6132

 105.3349,
139.0954, 107.7536

 3.9096, 7.7646,
3.1466

 133.9130,
173.8741, 138.2067

 1.6511, 3.9447,
1.1700

167.2423,
214.0146, 173.9167

 0.4254, 1.6427,
0.0000

205.6882,

 0.0000, 0.3861,

259.9013, 215.3020

0.0000

249.6160,
311.9187, 262.7811

■ 0.0000, 0.0000,
0.0000

■ 31.2270, 45.9111,
30.1376

■ 31.2270, 45.9111,
30.1376

■ 28.0829, 44.4002,
25.0802

■ 35.0650, 47.7666,
35.9365

■ 25.5860, 43.2067,
20.7311

■ 39.6324, 49.9806,
42.5020

■ 23.6894, 42.3083,
17.0592


■ 44.9668, 52.5732,
49.8620


■ 22.3380, 41.6773,
14.0300


■ 51.1019, 55.5612,
58.0418


■ 21.4656, 41.2803,
11.6054


■ 58.0694, 58.9606,
67.0659

 21.1357, 41.1331,
10.5541

 65.8994, 62.7863,
76.9576

 74.6203, 67.0525,
87.7392

 78.8390, 68.9785,
99.1787

 79.7143, 69.3286,
103.7881

Harmonies

Analogous

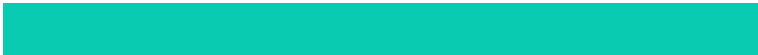
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.2025, 45.9111, 19.7393



31.2270, 45.9111, 30.1376



29.4898, 45.9111, 49.6166

Triad

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



31.2270, 45.9111, 30.1376



43.5068, 45.9111, 111.3860



59.1236, 45.9111, 30.6019

Complementary

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



31.2270, 45.9111, 30.1376



36.7706, 26.3509, 43.1942

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.



61.7101, 45.9111, 50.3640



31.2270, 45.9111, 30.1376



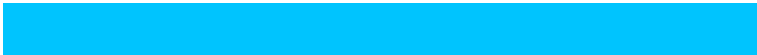
52.0257, 45.9111, 101.5187

Square

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



31.2270, 45.9111, 30.1376



36.0033, 45.9111, 100.9206



58.9639, 45.9111, 77.0676



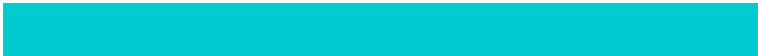
52.2802, 45.9111, 19.9412

Rectangle

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



31.2270, 45.9111, 30.1376



30.2057, 45.9111, 66.9648



58.9639, 45.9111, 77.0676



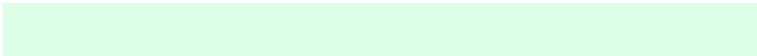
60.5557, 45.9111, 36.1565

Sweetspot

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



31.2282, 45.9130, 30.1386



80.2849, 92.8046, 89.4028



40.9787, 51.1196, 22.4595



16.7006, 19.6287, 18.4812



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.



31.2282, 45.9130, 30.1386



49.1355, 77.7223, 43.8557



34.9145, 47.3875, 49.5506



10.6179, 11.9360, 11.9380



13.6228, 26.4615, 6.9581



0.6768, 1.2656, 0.4966

Inverse Universe

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



36.7706, 26.3509, 43.1942



60.0724, 39.0271, 69.5498



33.2113, 24.9272, 24.4516



10.9511, 10.7638, 12.7259



18.3772, 9.1004, 17.7279



0.8999, 0.4428, 0.9962

Previews

White Background



This preview shows how the XYZ color 31.2270, 45.9111, 30.1376 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 31.2270, 45.9111, 30.1376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

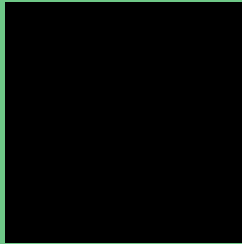
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2270, 45.9111, 30.1376

Background



This preview shows how black text looks on a background with the XYZ color 31.2270, 45.9111, 30.1376.

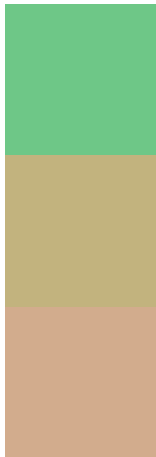


This preview shows how white text looks on a background with the XYZ color 31.2270, 45.9111,

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

31.2270, 45.9111, 30.1376

Protanopia

42.1341, 45.2159, 26.2455

Deuteranopia

46.1386, 45.1298, 31.4785



Tritanopia

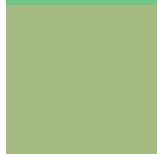
38.0371, 45.6703, 64.5681

Trichromacy



Original Color

31.2270, 45.9111, 30.1376



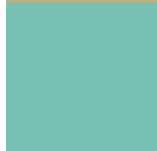
Protanomaly

36.6256, 44.4893, 27.4258



Deuteranomaly

38.8437, 44.3186, 30.9332



Tritanomaly

35.0539, 45.4283, 50.1010

Monochromacy



Original Color

31.2270, 45.9111, 30.1376



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.2319, 39.7971, 36.5020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2270, 45.9111, 30.1376 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(110, 199, 135)` looks like.

```
.text, #text, p{  
    color:rgb(110, 199, 135)  
}
```

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(110, 199, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 199, 135) }
```

Border

The CSS property to change the border of an element to XYZ 31.2270, 45.9111, 30.1376 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(110, 199, 135) }
```


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

```
.border{ border-color:rgb(110, 199, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 199, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 199, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 199, 135);  
box-shadow:4px 4px 4px 4px rgb(110, 199,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2270, 45.9111, 30.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 199, 135) }
```

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

```
.background{ background-color: rgb(110,  
199, 135) }
```

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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