

Converting Colors

XYZ(30.9648, 47.5490, 31.3270)

Have a look what the booklet for
XYZ(30.9648, 47.5490, 31.3270)
contains.

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Color

**XYZ(30.9321, 47.4787,
31.2009)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 60CC89 |
| RGB | 96, 204, 137 |
| RGB Percent | 38%, 80%, 54% |
| CMY | 0.6235, 0.2000, 0.4627 |
| CMYK | 0.53, 0.00, 0.33, 0.20 |
| HSL | 143°, 51%, 59% |
| HSV | 143°, 53%, 80% |
| XYZ | 30.9321, 47.4787, 31.2009 |
| YIQ | 164.0700, -42.8610, -43.7330 |

Conversions

Conversions Part 2

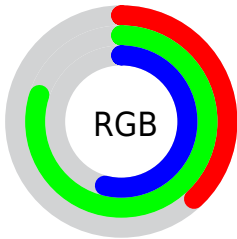
| Format | Color |
|-------------------------------------|--|
| RYB | 96, 174, 204 |
| Decimal | 6343817 |
| CIELab | 74.49, -46.14, 24.17 |
| CIElCh | 74, 52.089, 152.354 |
| Yxy | 47.4787, 0.2822, 0.4332 |
| Android (android.graphics.Color) | 4284533897 (0xFF60CC89) |
| YUV | 164.0700, -13.3455, -59.6974 |
| Hunter-Lab | 68.9048, -40.4528, 21.3861 |

Details

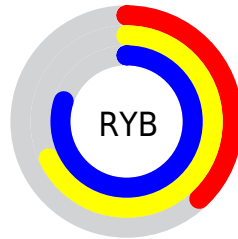
The XYZ color **30.9321, 47.4787, 31.2009** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.6971, 23.8485, 37.3738**, and the grayscale version is **35.3971, 37.2405, 40.5549**.

A 20% lighter version of the original color is **58.3008, 82.0539, 62.0554**, and **13.0634, 22.4901, 12.6693** is the 20% darker color. If you saturate the color by 10%, you get **28.2027, 46.1718, 26.6093**, and if you desaturate by 10%, it is **34.3273, 49.1192, 36.3816**.

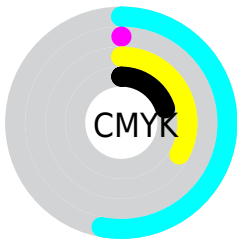
Distribution



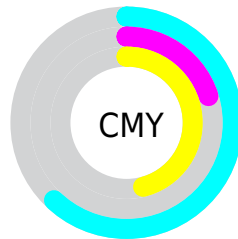
- Red (38%)
- Green (80%)
- Blue (54%)



- Red (38%)
- Yellow (68%)
- Blue (80%)



- Cyan (53%)
- Magenta (0%)
- Yellow (33%)
- Black (20%)



- Cyan (62%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9321, 47.4787, 31.2009 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 30.9321, 47.4787, 31.2009 by changing the saturation by 10% instead.

■ 30.9321, 47.4787,
31.2009

■ 30.9321, 47.4787,
31.2009

298.0579,
376.7221, 321.8426

■ 20.6987, 33.4142,
20.4921

■ 60.5097, 86.4277,
62.6395

■ 13.0152, 22.4440,
12.5657

■ 80.5847, 112.0811,
84.2064

■ 7.5161, 14.1835,
7.0030

■ 104.6709,
142.3662, 110.2298

■ 3.8361, 8.2484,
3.3855

■ 133.1337,
177.6675, 141.1282

■ 1.6098, 4.2543,
1.2947

166.3384,
218.3693, 177.3201

■ 0.3988, 1.8168,
0.0574

204.6504,

■ 0.0000, 0.4976,

264.8561, 219.2242

0.0000

248.4351,
317.5122, 267.2588

■ 0.0000, 0.0000,
0.0000

■ 30.9321, 47.4787,
31.2009

■ 30.9321, 47.4787,
31.2009

■ 28.2027, 46.1718,
26.6093

■ 34.3273, 49.1192,
36.3816

■ 26.0878, 45.1684,
22.5824

■ 38.4275, 51.1091,
42.1685

■ 24.5339, 44.4429,
19.0982

■ 43.2729, 53.4700,
48.5819

■ 23.4761, 43.9621,
16.1325

■ 48.8998, 56.2204,
55.6399

■ 22.9491, 43.7297,
14.3349

■ 55.3417, 59.3771,
63.3604

■ 62.6305, 62.9563,
71.7599

■ 70.7961, 66.9729,
80.8550

■ 78.3030, 70.6353,
90.5880

■ 80.2314, 71.4066,
100.7426

Harmonies

Analogous

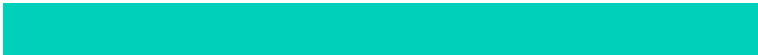
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1272, 47.4787, 19.1333



30.9321, 47.4787, 31.2009



29.3665, 47.4787, 53.8519

Triad

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



30.9321, 47.4787, 31.2009



45.8736, 47.4787, 122.6040



62.1870, 47.4787, 28.6439

Complementary

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



30.9321, 47.4787, 31.2009



35.6971, 23.8485, 37.3738

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.



65.7080, 47.4787, 49.5989



30.9321, 47.4787, 31.2009



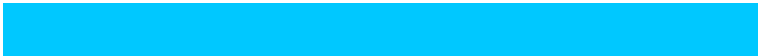
55.5097, 47.4787, 108.9298

Square

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



30.9321, 47.4787, 31.2009



37.2474, 47.4787, 112.4621



63.1109, 47.4787, 79.6350



54.0464, 47.4787, 18.0580

Rectangle

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



30.9321, 47.4787, 31.2009



30.3869, 47.4787, 73.9940



63.1109, 47.4787, 79.6350



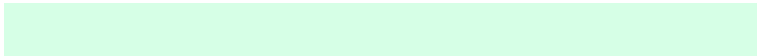
63.9974, 47.4787, 34.3990

Sweetspot

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



30.9333, 47.4806, 31.2020



77.7892, 91.5419, 88.2033



39.0983, 51.9676, 19.0368



16.2302, 19.3885, 18.3541



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.



30.9333, 47.4806, 31.2020



45.9660, 76.1099, 42.7328



35.6688, 49.3748, 56.1387



11.2413, 12.6063, 12.8281



14.4859, 27.5396, 9.2435



0.7840, 1.4354, 0.6700

Inverse Universe

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



35.6971, 23.8485, 37.3738



54.6805, 32.7320, 53.9145



31.9223, 22.3386, 17.4962



11.5000, 11.3287, 13.1675



18.1130, 9.0558, 13.5799



0.9706, 0.4817, 0.8913

Previews

White Background



This preview shows how the XYZ color 30.9321, 47.4787, 31.2009 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 30.9321, 47.4787, 31.2009 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 30.9321, 47.4787, 31.2009

Background



This preview shows how black text looks on a background with the XYZ color 30.9321, 47.4787, 31.2009.



This preview shows how white text looks on a background with the XYZ color 30.9321, 47.4787,

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

30.9321, 47.4787, 31.2009

Protanopia

43.3237, 46.7240, 26.8139

Deuteranopia

47.8046, 46.8197, 32.9031



Tritanopia

38.4754, 47.4464, 68.7582

Trichromacy



Original Color

30.9321, 47.4787, 31.2009



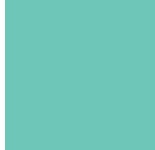
Protanomaly

37.0074, 45.9392, 28.3894



Deuteranomaly

38.9442, 45.5869, 31.9459



Tritanomaly

35.1525, 47.1001, 52.5859

Monochromacy



Original Color

30.9321, 47.4787, 31.2009



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.6003, 40.0623, 36.5864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9321, 47.4787, 31.2009 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(96, 204, 137)` looks like.

```
.text, #text, p{  
    color:rgb(96, 204, 137)  
}
```

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(96, 204, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 204, 137) }
```

Border

The CSS property to change the border of an element to XYZ 30.9321, 47.4787, 31.2009 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(96, 204, 137) }
```


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

```
.border{ border-color:rgb(96, 204, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 204, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 204, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 204, 137);  
box-shadow:4px 4px 4px 4px rgb(96, 204,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9321, 47.4787, 31.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 204, 137) }
```

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

```
.background{ background-color: rgb(96, 204,  
137) }
```

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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