

Converting Colors

XYZ(31.6270, 47.7980, 33.0620)

Have a look what the booklet for
XYZ(31.6270, 47.7980, 33.0620)
contains.

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Color

**XYZ(31.6209, 47.7914,
33.1492)**

Conversions

Conversions Part 1

Format	Color
Hex	63CC8E
RGB	99, 204, 142
RGB Percent	39%, 80%, 56%
CMY	0.6118, 0.2000, 0.4431
CMYK	0.51, 0.00, 0.30, 0.20
HSL	145°, 51%, 59%
HSV	145°, 51%, 80%
XYZ	31.6209, 47.7914, 33.1492
YIQ	165.5370, -42.6780, -41.5420

Conversions

Conversions Part 2

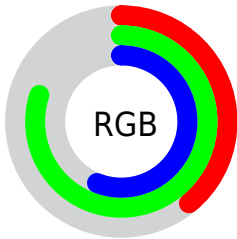
Format	Color
RYB	99, 173, 204
Decimal	6540430
CIELab	74.69, -44.46, 21.82
CIELCh	75, 49.529, 153.858
Yxy	47.7914, 0.2809, 0.4246
Android (android.graphics.Color)	4284730510 (0xFF63CC8E)
YUV	165.5370, -11.6037, -58.3529
Hunter-Lab	69.1313, -39.3333, 19.9617

Details

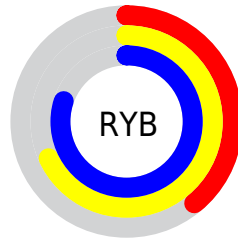
The XYZ color **31.6209, 47.7914, 33.1492** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.7982, 24.3352, 36.5302**, and the grayscale version is **36.0920, 37.9716, 41.3511**.

A 20% lighter version of the original color is **59.4341, 82.5734, 65.0303**, and **13.3987, 22.6435, 13.5620** is the 20% darker color. If you saturate the color by 10%, you get **28.8114, 46.4433, 28.5495**, and if you desaturate by 10%, it is **35.0935, 49.4727, 38.2923**.

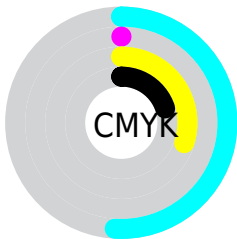
Distribution



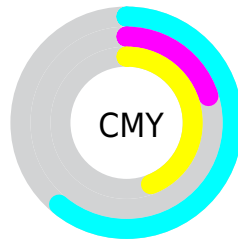
- Red (39%)
- Green (80%)
- Blue (56%)



- Red (39%)
- Yellow (68%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)



- Cyan (61%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6209, 47.7914, 33.1492 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 31.6209, 47.7914, 33.1492 by changing the saturation by 10% instead.

■ 31.6209, 47.7914,
33.1492

■ 31.6209, 47.7914,
33.1492

301.1648,
377.9647, 330.9741

■ 21.2262, 33.6617,
21.9687

■ 61.5855, 86.8937,
65.7271

■ 13.4029, 22.6338,
13.6358

■ 81.8862, 112.6352,
87.9616

■ 7.7855, 14.3234,
7.7320

■ 106.2196,
143.0160, 114.7178

■ 4.0086, 8.3459,
3.8386

■ 134.9511,
178.4206, 146.4143

■ 1.7070, 4.3171,
1.5372

168.4459,
219.2334, 183.4697

■ 0.4607, 1.8525,
0.2454

207.0696,

■ 0.0000, 0.5196,

265.8387, 226.3024

0.0000

251.1874,
318.6210, 275.3310

■ 0.0000, 0.0000,
0.0000

■ 31.6209, 47.7914,
33.1492

■ 31.6209, 47.7914,
33.1492

■ 28.8114, 46.4433,
28.5495

■ 35.0935, 49.4727,
38.2923

■ 26.6150, 45.3990,
24.4716

■ 39.2673, 51.5025,
43.9930

■ 24.9802, 44.6336,
20.8971

■ 44.1815, 53.9020,
50.2687

■ 23.8444, 44.1153,
17.8052

■ 49.8715, 56.6892,
57.1355

■ 23.1762, 43.8205,
15.5307

■ 56.3703, 59.8808,
64.6084

■ 63.7088, 63.4924,
72.7022

■ 71.9166, 67.5390,
81.4309

■ 78.3209, 70.6424,
90.6818

■ 80.1545, 71.3759,
100.3375

Harmonies

Analogous

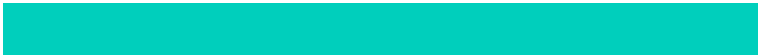
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4680, 47.7914, 20.8282



31.6209, 47.7914, 33.1492



30.2836, 47.7914, 55.4350

Triad

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



31.6209, 47.7914, 33.1492



46.5959, 47.7914, 118.6061



61.3235, 47.7914, 29.0634

Complementary

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



31.6209, 47.7914, 33.1492



35.7982, 24.3352, 36.5302

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.



64.9202, 47.7914, 48.7802



31.6209, 47.7914, 33.1492



55.7386, 47.7914, 104.8469

Square

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



31.6209, 47.7914, 33.1492



38.2338, 47.7914, 110.2441



62.7534, 47.7914, 77.0052



53.4641, 47.7914, 19.0730

Rectangle

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



31.6209, 47.7914, 33.1492



31.3930, 47.7914, 74.7084



62.7534, 47.7914, 77.0052



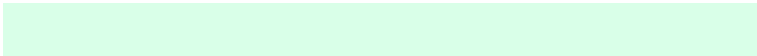
63.1150, 47.7914, 34.4896

Sweetspot

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



31.6222, 47.7934, 33.1503



78.9254, 92.0832, 90.2667



38.7469, 51.7701, 19.7552



16.4614, 19.4980, 18.8001



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.



31.6222, 47.7934, 33.1503



47.1692, 76.6519, 46.3264



36.4215, 49.7131, 58.4231



11.2553, 12.6119, 12.9019



14.6305, 27.5975, 10.0050



0.7922, 1.4387, 0.7131

Inverse Universe

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



35.7982, 24.3352, 36.5302



54.8276, 33.5198, 52.4418



32.1523, 22.8768, 17.3311



11.4856, 11.3230, 13.0917



17.8721, 8.9594, 12.3111



0.9591, 0.4771, 0.8306

Previews

White Background



This preview shows how the XYZ color 31.6209, 47.7914, 33.1492 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 31.6209, 47.7914, 33.1492 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 31.6209, 47.7914, 33.1492

Background



This preview shows how black text looks on a background with the XYZ color 31.6209, 47.7914, 33.1492.

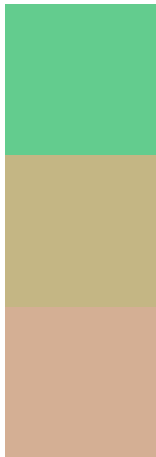


This preview shows how white text looks on a background with the XYZ color 31.6209, 47.7914,

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

31.6209, 47.7914, 33.1492

Protanopia

43.6578, 46.8576, 28.5732

Deuteranopia

47.8266, 46.7951, 34.5286



Tritanopia

38.6091, 47.5153, 68.7645

Trichromacy



Original Color

31.6209, 47.7914, 33.1492



Protanomaly

37.5553, 46.1816, 30.2271



Deuteranomaly

39.5418, 45.8511, 33.9602



Tritanomaly

35.4874, 47.2483, 53.7038

Monochromacy



Original Color

31.6209, 47.7914, 33.1492



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.5624, 40.8276, 38.0099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6209, 47.7914, 33.1492 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(99, 204, 142)` looks like.

```
.text, #text, p{  
    color:rgb(99, 204, 142)  
}
```

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(99, 204, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 204, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.6209, 47.7914, 33.1492 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(99, 204, 142) }
```


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

```
.border{ border-color:rgb(99, 204, 142) }
```

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

Here you see how a box with a 4 pixel rgb(99, 204, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 204, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 204, 142);  
box-shadow:4px 4px 4px 4px rgb(99, 204,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6209, 47.7914, 33.1492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 204, 142) }
```

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

```
.background{ background-color: rgb(99, 204,  
142) }
```

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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