

Converting Colors

XYZ(29.4965, 31.0646, 46.8246)

Have a look what the booklet for
XYZ(29.4965, 31.0646, 46.8246)
contains.

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Color

**XYZ(29.6813, 31.2714,
47.1194)**

Conversions

Conversions Part 1

Format	Color
Hex	8899B3
RGB	136, 153, 179
RGB Percent	53%, 60%, 70%
CMY	0.4667, 0.4000, 0.2980
CMYK	0.24, 0.15, 0.00, 0.30
HSL	216°, 22%, 62%
HSV	216°, 24%, 70%
XYZ	29.6813, 31.2714, 47.1194
YIQ	150.8810, -18.4780, 4.4820

Conversions

Conversions Part 2

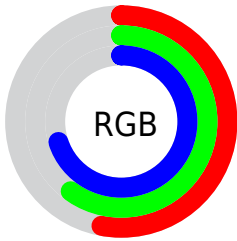
Format	Color
R_{YB}	136, 148, 179
Decimal	8952243
CIE _{Lab}	62.74, -0.16, -15.53
CIE _{LCh}	63, 15.527, 269.421
Yxy	31.2714, 0.2746, 0.2894
Android (android.graphics.Color)	4287142323 (0xFF8899B3)
YUV	150.8810, 13.8627, -13.0506
Hunter-Lab	55.9208, -3.1184, -10.8137

Details

The XYZ color **29.6813, 31.2714, 47.1194** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.9551, 37.2022, 28.5792**, and the grayscale version is **29.3136, 30.8402, 33.5850**.

A 20% lighter version of the original color is **58.5434, 61.5710, 87.3961**, and **12.2636, 12.9404, 21.5900** is the 20% darker color. If you saturate the color by 10%, you get **25.3218, 26.5132, 46.4313**, and if you desaturate by 10%, it is **34.6890, 36.6038, 47.8852**.

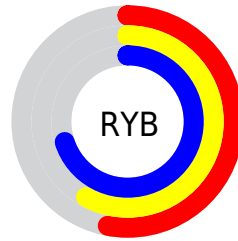
Distribution



Red (53%)

Green (60%)

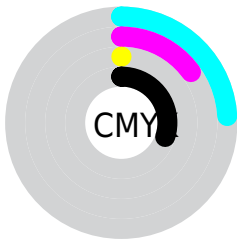
Blue (70%)



Red (53%)

Yellow (58%)

Blue (70%)

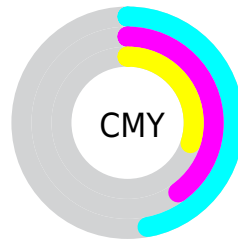


Cyan (24%)

Magenta (15%)

Yellow (0%)

Black (30%)



Cyan (47%)

Magenta (40%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6813, 31.2714, 47.1194 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 29.6813, 31.2714, 47.1194 by changing the saturation by 10% instead.

■ 29.6813, 31.2714,
47.1194

■ 29.6813, 31.2714,
47.1194

292.3526,
307.7867, 391.6985

■ 19.7437, 20.8056,
32.7750

■ 58.5479, 61.6671,
87.2437

■ 12.3160, 12.9820,
21.6845

■ 78.2076, 82.3658,
113.8607

■ 7.0330, 7.4161,
13.4291

■ 101.8387,
107.2443, 145.4056

■ 3.5293, 3.7237,
7.5905

129.8065,
136.6869, 182.2970

■ 1.4394, 1.5202,
3.7501

162.4765,
171.0780, 224.9535

■ 0.2841, 0.3029,
1.4893

200.2139,

■ 0.0000, 0.0000,

210.8021, 273.7935

0.2099

243.3842,
256.2436, 329.2357

■ 0.0000, 0.0000,
0.0000

■ 29.6813, 31.2714,
47.1194

■ 29.6813, 31.2714,
47.1194

■ 25.3218, 26.5132,
46.4313

■ 34.6890, 36.6038,
47.8852

■ 21.5791, 22.3044,
45.8162

■ 40.3684, 42.5264,
48.7291

■ 18.4238, 18.6241,
45.2721

■ 46.7455, 49.0591,
49.6539

■ 15.8223, 15.4481,
44.7962

■ 53.8440, 56.2198,
50.6619

■ 13.7376, 12.7500,
44.3853

■ 61.6863, 64.0255,
51.7553

■ 12.1275, 10.5006,
44.0359

■ 70.2939, 72.4927,
52.9359

■ 10.9419, 8.6658,
43.7443

■ 77.3304, 80.4219,
54.0955

■ 10.3756, 7.7324,
43.5940

■ 80.4149, 86.5909,
55.1237

■ 83.6893, 93.1397,
56.2152

Harmonies

Analogous

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



27.6951, 31.2714, 45.1310



29.6813, 31.2714, 47.1194



31.7719, 31.2714, 45.2736

Triad

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



29.6813, 31.2714, 47.1194



33.4195, 31.2714, 28.6265



26.3468, 31.2714, 28.4446

Complementary

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



29.6813, 31.2714, 47.1194



35.9551, 37.2022, 28.5792

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.



27.7633, 31.2714, 24.8526



29.6813, 31.2714, 47.1194



31.8466, 31.2714, 24.9485

Square

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



29.6813, 31.2714, 47.1194



33.9914, 31.2714, 34.1675



29.7638, 31.2714, 23.6515



25.8269, 31.2714, 33.9312

Rectangle

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



29.6813, 31.2714, 47.1194



32.9299, 31.2714, 42.2289



29.7638, 31.2714, 23.6515



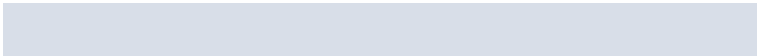
26.7305, 31.2714, 27.0005

Sweetspot

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



29.6823, 31.2727, 47.1201



69.0165, 72.7627, 86.7882



32.7780, 40.0766, 40.0980



15.1557, 15.9803, 19.2080



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.6823, 31.2727, 47.1201



48.7488, 51.2221, 83.6987



27.8075, 26.4655, 46.2910



8.3085, 8.7631, 10.7599



7.3916, 5.5835, 30.8251



0.2903, 0.2912, 0.9891

Inverse Universe

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



33.1452, 29.4928, 34.0841



56.1499, 47.7639, 55.7595



38.1766, 43.0976, 29.6000



8.6309, 8.5591, 9.5547



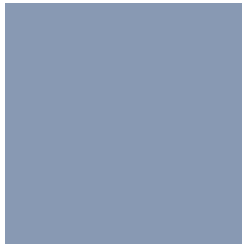
13.9656, 7.1038, 4.9787



0.4686, 0.2352, 0.3102

Previews

White Background



This preview shows how the XYZ color 29.6813, 31.2714, 47.1194 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 29.6813, 31.2714, 47.1194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

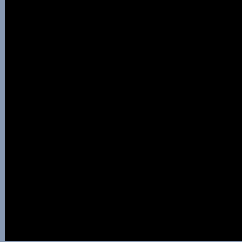
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6813, 31.2714, 47.1194

Background



This preview shows how black text looks on a background with the XYZ color 29.6813, 31.2714, 47.1194.



This preview shows how white text looks on a background with the XYZ color 29.6813, 31.2714,

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

29.6813, 31.2714, 47.1194

Protanopia

30.6962, 31.0980, 45.9796

Deuteranopia

31.7770, 31.1505, 47.5178



Tritanopia

28.5279, 31.3010, 41.0973

Trichromacy



Original Color

29.6813, 31.2714, 47.1194

Protanomaly

30.2578, 31.0984, 46.5273

Deuteranomaly

30.9986, 31.2190, 47.5721

Tritanomaly

28.8980, 31.2024, 43.0277

Monochromacy



Original Color

29.6813, 31.2714, 47.1194

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5153, 31.1407, 38.1733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6813, 31.2714, 47.1194 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(136, 153, 179)` looks like.

```
.text, #text, p{  
    color:rgb(136, 153, 179)  
}
```

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(136, 153, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 153, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.6813, 31.2714, 47.1194 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(136, 153, 179) }
```


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

```
.border{ border-color:rgb(136, 153, 179) }
```

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

Here you see how a box with a 4 pixel rgb(136, 153, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 153, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 153, 179);  
box-shadow:4px 4px 4px 4px rgb(136, 153,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6813, 31.2714, 47.1194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 153, 179) }
```

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

```
.background{ background-color: rgb(136,  
153, 179) }
```

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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