

Converting Colors

XYZ(30.0496, 32.0447, 47.9478)

Have a look what the booklet for
XYZ(30.0496, 32.0447, 47.9478)
contains.

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Color

**XYZ(29.9512, 31.8889,
47.7566)**

Conversions

Conversions Part 1

Format	Color
Hex	879BB4
RGB	135, 155, 180
RGB Percent	53%, 61%, 71%
CMY	0.4706, 0.3921, 0.2941
CMYK	0.25, 0.14, 0.00, 0.29
HSL	213°, 23%, 62%
HSV	213°, 25%, 71%
XYZ	29.9512, 31.8889, 47.7566
YIQ	151.8700, -19.9450, 3.5350

Conversions

Conversions Part 2

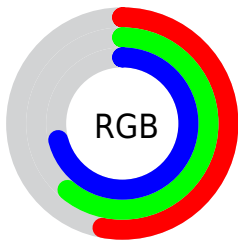
Format	Color
RYB	135, 149, 180
Decimal	8887220
CIELab	63.25, -1.35, -15.32
CIElCh	63, 15.377, 264.959
Yxy	31.8889, 0.2733, 0.2910
Android (android.graphics.Color)	4287077300 (0xFF879BB4)
YUV	151.8700, 13.8681, -14.7950
Hunter-Lab	56.4703, -4.1485, -10.6121

Details

The XYZ color **29.9512, 31.8889, 47.7566** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7666, 36.5941, 28.1006**, and the grayscale version is **29.7380, 31.2867, 34.0712**.

A 20% lighter version of the original color is **58.9271, 62.4759, 88.3101**, and **12.4372, 13.3178, 21.9937** is the 20% darker color. If you saturate the color by 10%, you get **25.7007, 27.3294, 47.1011**, and if you desaturate by 10%, it is **34.8312, 36.9790, 48.4824**.

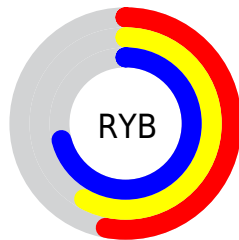
Distribution



Red (53%)

Green (61%)

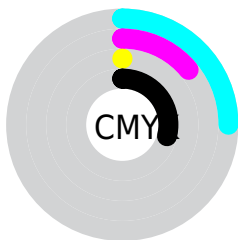
Blue (71%)



Red (53%)

Yellow (58%)

Blue (71%)

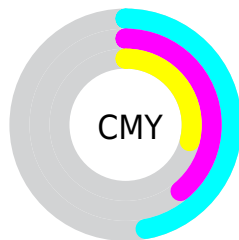


Cyan (25%)

Magenta (14%)

Yellow (0%)

Black (29%)



Cyan (47%)

Magenta (39%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9512, 31.8889, 47.7566 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 29.9512, 31.8889, 47.7566 by changing the saturation by 10% instead.

■ 29.9512, 31.8889,
47.7566

■ 29.9512, 31.8889,
47.7566

293.5908,
310.6128, 394.3074

■ 19.9494, 21.2767,
33.2756

■ 58.9722, 62.6369,
88.2037

■ 12.4663, 13.3264,
22.0648

■ 78.7221, 83.5414,
115.0068

■ 7.1366, 7.6537,
13.7057

■ 102.4520,
108.6455, 146.7543

■ 3.5947, 3.8742,
7.7799

130.5275,
138.3335, 183.8648

■ 1.4755, 1.6034,
3.8687

163.3137,
172.9898, 226.7568

■ 0.3091, 0.3599,
1.5536

201.1761,

■ 0.0000, 0.0000,

212.9989, 275.8489

0.2574

244.4800,
258.7451, 331.5596

■ 0.0000, 0.0000,
0.0000

■ 29.9512, 31.8889,
47.7566

■ 29.9512, 31.8889,
47.7566

■ 25.7007, 27.3294,
47.1011

■ 34.8312, 36.9790,
48.4824

■ 22.0487, 23.2774,
46.5114

■ 40.3637, 42.6142,
49.2785

■ 18.9661, 19.7134,
45.9860

■ 46.5743, 48.8128,
50.1476

■ 16.4198, 16.6150,
45.5222

■ 53.4863, 55.5915,
51.0918

■ 14.3729, 13.9578,
45.1172

■ 61.1216, 62.9658,
52.1127

■ 12.7832, 11.7142,
44.7679

■ 69.5015, 70.9508,
53.2123

■ 11.6002, 9.8517,
44.4707

■ 76.4031, 78.4048,
54.2873

■ 11.1076, 9.0339,
44.3388

■ 79.1860, 83.9706,
55.2150

■ 82.1298, 89.8583,
56.1962

Harmonies

Analogous

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



28.0195, 31.8889, 45.2307



29.9512, 31.8889, 47.7566



32.0696, 31.8889, 46.4704

Triad

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



29.9512, 31.8889, 47.7566



34.1738, 31.8889, 30.0063



27.0802, 31.8889, 28.4165

Complementary

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



29.9512, 31.8889, 47.7566



35.7666, 36.5941, 28.1006

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.



28.6149, 31.8889, 25.1414



29.9512, 31.8889, 47.7566



32.7208, 31.8889, 25.9811

Square

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



29.9512, 31.8889, 47.7566



34.5723, 31.8889, 35.7619



30.6705, 31.8889, 24.3046



26.4122, 31.8889, 33.7017

Rectangle

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



29.9512, 31.8889, 47.7566



33.2946, 31.8889, 43.6946



30.6705, 31.8889, 24.3046



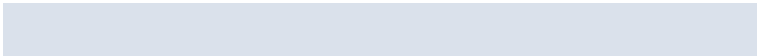
27.5083, 31.8889, 27.0697

Sweetspot

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



29.9522, 31.8902, 47.7573



70.9588, 75.0169, 89.0344



32.6368, 40.3233, 39.2068



15.2065, 16.0819, 19.2249



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.



29.9522, 31.8902, 47.7573



49.9210, 53.1470, 85.9219



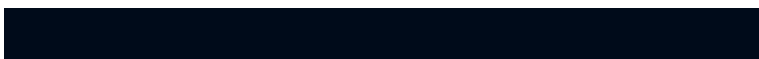
27.2604, 25.9634, 46.7552



8.3425, 8.8312, 10.7712



7.8173, 6.4350, 30.9670



0.3045, 0.3195, 0.9939

Inverse Universe

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



33.4035, 29.3985, 34.9258



57.3512, 48.1868, 58.2067



38.9978, 43.8278, 29.3265



8.6481, 8.5659, 9.6452



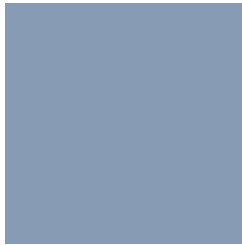
14.1805, 7.1897, 6.1103



0.4757, 0.2380, 0.3477

Previews

White Background



This preview shows how the XYZ color 29.9512, 31.8889, 47.7566 looks on a white background.

Color Contrast Check

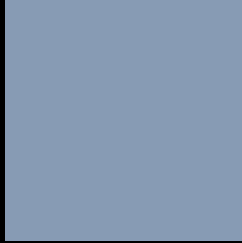
Large Text (above 18pt) WCAG AA × Fail

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 29.9512, 31.8889, 47.7566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

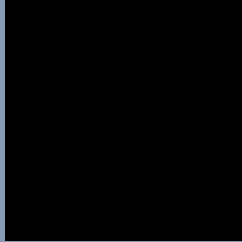
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9512, 31.8889, 47.7566

Background



This preview shows how black text looks on a background with the XYZ color 29.9512, 31.8889, 47.7566.



This preview shows how white text looks on a background with the XYZ color 29.9512, 31.8889,

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

29.9512, 31.8889, 47.7566

Protanopia

31.4769, 31.9667, 46.6307

Deuteranopia

32.4144, 31.7011, 48.1266



Tritanopia

28.8913, 31.9651, 42.1833

Trichromacy



Original Color

29.9512, 31.8889, 47.7566

Protanomaly

30.8556, 31.8768, 47.1744

Deuteranomaly

31.4397, 31.6725, 48.1724

Tritanomaly

29.2628, 31.8624, 44.1429

Monochromacy



Original Color

29.9512, 31.8889, 47.7566

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7669, 31.5021, 38.6940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9512, 31.8889, 47.7566 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(135, 155, 180)` looks like.

```
.text, #text, p{  
    color:rgb(135, 155, 180)  
}
```

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(135, 155, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 155, 180) }
```

Border

The CSS property to change the border of an element to XYZ 29.9512, 31.8889, 47.7566 is called "border". The border property can be set on classes, ids or directly on the HTML element.

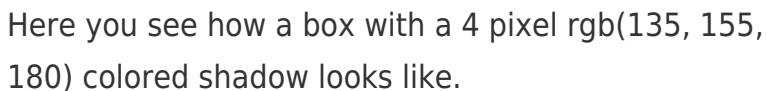
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 155, 180) }
```


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

```
.border{ border-color:rgb(135, 155, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 155, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 155, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 155, 180);  
box-shadow:4px 4px 4px 4px rgb(135, 155,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9512, 31.8889, 47.7566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 155, 180) }
```

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

```
.background{ background-color: rgb(135,  
155, 180) }
```

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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