

Converting Colors

XYZ(21.0588, 29.9730, 31.4635)

Have a look what the booklet for
XYZ(21.0588, 29.9730, 31.4635)
contains.

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Color

**XYZ(21.0588, 29.9730,
31.4635)**

Conversions

Conversions Part 1

Format	Color
Hex	48A491
RGB	72, 164, 145
RGB Percent	28%, 64%, 57%
CMY	0.7176, 0.3569, 0.4314
CMYK	0.56, 0.00, 0.12, 0.36
HSL	168°, 39%, 46%
HSV	168°, 56%, 64%
XYZ	21.0588, 29.9730, 31.4635
YIQ	134.3260, -48.7330, -25.4130

Conversions

Conversions Part 2

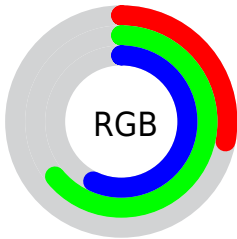
Format	Color
RYB	72, 123, 164
Decimal	4760721
CIELab	61.63, -32.06, 1.62
CIELCh	62, 32.104, 177.104
Yxy	29.9730, 0.2553, 0.3633
Android (android.graphics.Color)	4282950801 (0xFF48A491)
YUV	134.3260, 5.2623, -54.6599
Hunter-Lab	54.7476, -27.1478, 4.2493

Details

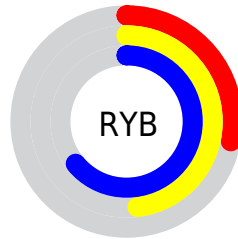
The XYZ color **21.0588, 29.9730, 31.4635** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.5166, 13.2834, 11.4340**, and the grayscale version is **22.7748, 23.9609, 26.0934**.

A 20% lighter version of the original color is **44.5424, 59.3758, 63.1459**, and **7.8597, 12.4146, 12.8085** is the 20% darker color. If you saturate the color by 10%, you get **19.7383, 29.3227, 30.0590**, and if you desaturate by 10%, it is **22.7149, 30.7969, 32.9257**.

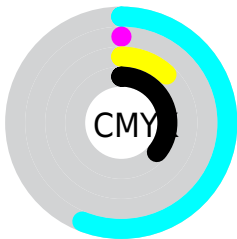
Distribution



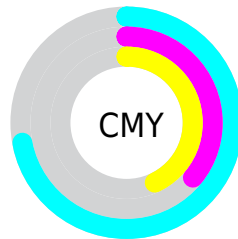
- Red (28%)
- Green (64%)
- Blue (57%)



- Red (28%)
- Yellow (48%)
- Blue (64%)



- Cyan (56%)
- Magenta (0%)
- Yellow (12%)
- Black (36%)



- Cyan (72%)
- Magenta (36%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0588, 29.9730, 31.4635 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 21.0588, 29.9730, 31.4635 by changing the saturation by 10% instead.

■ 21.0588, 29.9730,
31.4635

■ 21.0588, 29.9730,
31.4635

250.3166,
301.7786, 323.0851

■ 13.2797, 19.8181,
20.6906

■ 44.6759, 59.6195,
63.0572

■ 7.6998, 12.2629,
12.7090

■ 61.2446, 79.8798,
84.7151

■ 3.9536, 6.9230,
7.1001

■ 81.4739, 104.2775,
110.8384

■ 1.6759, 3.4140,
3.4454

■ 105.7292,
133.1968, 141.8456

■ 0.4411, 1.3515,
1.3263

■ 134.3757,
167.0221, 178.1554

■ 0.0000, 0.1806,
0.0832

167.7789,

■ 0.0000, 0.0000,

206.1380, 220.1862

0.0000

206.3041,
250.9287, 268.3566

■ 21.0588, 29.9730,
31.4635

■ 21.0588, 29.9730,
31.4635

■ 19.7383, 29.3227,
30.0590

■ 22.7149, 30.7969,
32.9257

■ 18.7243, 28.8288,
28.7085

■ 24.7278, 31.8030,
34.4449

■ 17.9867, 28.4765,
27.4109

■ 27.1199, 33.0037,
36.0233

■ 17.4836, 28.2442,
26.1639

■ 29.9110, 34.4092,
37.6619

■ 17.3139, 28.1671,
25.6890

■ 33.1194, 36.0289,
39.3622

■ 36.7625, 37.8717,
41.1251

■ 40.8564, 39.9460,
42.9518

■ 45.4167, 42.2598,
44.8433

■ 50.4579, 44.8205,
46.8006

Harmonies

Analogous

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



22.1432, 29.9730, 21.4707



21.0588, 29.9730, 31.4635



21.7949, 29.9730, 44.5467

Triad

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



21.0588, 29.9730, 31.4635



32.3900, 29.9730, 58.3210



33.1779, 29.9730, 16.6220

Complementary

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



21.0588, 29.9730, 31.4635



19.5166, 13.2834, 11.4340

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.



36.4288, 29.9730, 23.0628



21.0588, 29.9730, 31.4635



35.9430, 29.9730, 47.1232

Square

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



21.0588, 29.9730, 31.4635



28.0762, 29.9730, 62.1558



37.4875, 29.9730, 33.8363



28.9047, 29.9730, 14.3517

Rectangle

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



21.0588, 29.9730, 31.4635



23.2637, 29.9730, 53.0394



37.4875, 29.9730, 33.8363



34.4421, 29.9730, 18.2776

Sweetspot

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



21.0597, 29.9742, 31.4642



53.6315, 62.1234, 67.9903



18.8531, 29.2919, 10.7917



11.5084, 13.4723, 14.7407



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.0597, 29.9742, 31.4642



35.3832, 53.0063, 54.0213



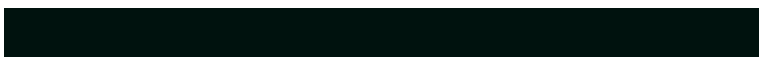
18.4532, 22.2170, 38.4391



7.2131, 7.9861, 8.7342



13.2925, 21.6033, 19.7884



0.2943, 0.4599, 0.4946

Inverse Universe

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



19.5166, 13.2834, 11.4340



32.3394, 19.7193, 14.2416



20.8545, 17.1092, 8.3347



7.1308, 7.1088, 7.6754



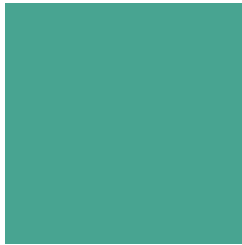
11.9734, 6.1454, 1.7848



0.2669, 0.1352, 0.1179

Previews

White Background



This preview shows how the XYZ color 21.0588, 29.9730, 31.4635 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0588, 29.9730, 31.4635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

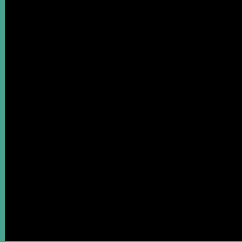
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0588, 29.9730, 31.4635

Background



This preview shows how black text looks on a background with the XYZ color 21.0588, 29.9730, 31.4635.

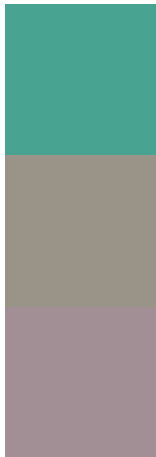


This preview shows how white text looks on a background with the XYZ color 21.0588, 29.9730,

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

21.0588, 29.9730, 31.4635

Protanopia

28.0145, 29.4173, 27.4941

Deuteranopia

29.9452, 29.3919, 32.5287



Tritanopia

23.5933, 29.9526, 44.0731

Trichromacy



Original Color

21.0588, 29.9730, 31.4635

Protanomaly

24.3636, 28.9316, 28.7264

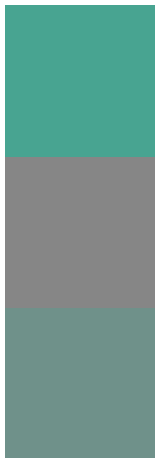
Deuteranomaly

25.4652, 28.9385, 32.2605

Tritanomaly

22.4976, 29.7538, 39.2076

Monochromacy



Original Color

21.0588, 29.9730, 31.4635

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.2684, 25.4653, 27.8391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0588, 29.9730, 31.4635 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(72, 164, 145)` looks like.

```
.text, #text, p{  
    color:rgb(72, 164, 145)  
}
```

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(72, 164, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 164, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.0588, 29.9730, 31.4635 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(72, 164, 145) }
```


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

```
.border{ border-color:rgb(72, 164, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 164, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 164, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 164, 145);  
box-shadow:4px 4px 4px 4px rgb(72, 164,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0588, 29.9730, 31.4635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 164, 145) }
```

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

```
.background{ background-color: rgb(72, 164,  
145) }
```

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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