

Converting Colors

XYZ(21.7592, 29.7933, 31.7355)

Have a look what the booklet for
XYZ(21.7592, 29.7933, 31.7355)
contains.

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Color

**XYZ(21.7648, 29.8008,
31.7991)**

Conversions

Conversions Part 1

Format	Color
Hex	54A292
RGB	84, 162, 146
RGB Percent	33%, 64%, 57%
CMY	0.6706, 0.3647, 0.4274
CMYK	0.48, 0.00, 0.10, 0.36
HSL	168°, 32%, 48%
HSV	168°, 48%, 64%
XYZ	21.7648, 29.8008, 31.7991
YIQ	136.8540, -41.3520, -21.5120

Conversions

Conversions Part 2

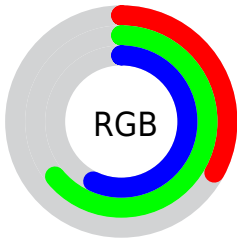
Format	Color
R_{YB}	84, 127, 162
Decimal	5546642
CIE _{Lab}	61.48, -28.08, 0.90
CIE _{LCh}	61, 28.091, 178.171
Yxy	29.8008, 0.2611, 0.3575
Android (android.graphics.Color)	4283736722 (0xFF54A292)
YUV	136.8540, 4.5090, -46.3530
Hunter-Lab	54.5901, -24.3656, 3.6763

Details

The XYZ color **21.7648, 29.8008, 31.7991** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.3719, 14.9430, 13.8683**, and the grayscale version is **23.7181, 24.9533, 27.1742**.

A 20% lighter version of the original color is **45.7194, 59.1991, 63.6605**, and **8.0882, 12.2031, 12.9955** is the 20% darker color. If you saturate the color by 10%, you get **20.2245, 29.0369, 30.3975**, and if you desaturate by 10%, it is **23.6496, 30.7429, 33.2574**.

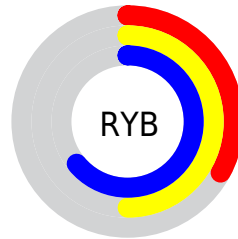
Distribution



Red (33%)

Green (64%)

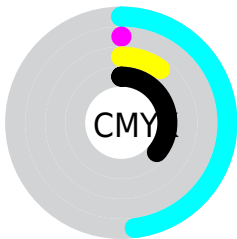
Blue (57%)



Red (33%)

Yellow (50%)

Blue (64%)

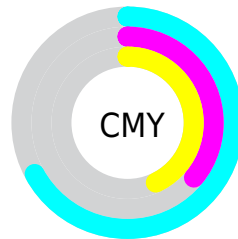


Cyan (48%)

Magenta (0%)

Yellow (10%)

Black (36%)



Cyan (67%)

Magenta (36%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7648, 29.8008, 31.7991 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 21.7648, 29.8008, 31.7991 by changing the saturation by 10% instead.

■ 21.7648, 29.8008,
31.7991

■ 21.7648, 29.8008,
31.7991

253.9710,
300.9748, 324.6675

■ 13.7998, 19.6874,
20.9445

■ 45.8387, 59.3470,
63.5903

■ 8.0623, 12.1680,
12.8926

■ 62.6783, 79.5487,
85.3639

■ 4.1870, 6.8582,
7.2248

■ 83.2069, 103.8818,
111.6144

■ 1.8085, 3.3736,
3.5225

■ 107.7897,
132.7310, 142.7602

■ 0.5228, 1.3297,
1.3672

136.7922,
166.4804, 179.2199

■ 0.0000, 0.1641,
0.1160

170.5797,

■ 0.0000, 0.0000,

205.5146, 221.4120

0.0000

209.5175,
250.2180, 269.7550

■ 21.7648, 29.8008,
31.7991

■ 21.7648, 29.8008,
31.7991

■ 20.2245, 29.0369,
30.3975

■ 23.6496, 30.7429,
33.2574

■ 19.0028, 28.4357,
29.0491

■ 25.8978, 31.8707,
34.7715

■ 18.0738, 27.9845,
27.7530


■ 28.5296, 33.1954,
36.3436


■ 17.4068, 27.6675,
26.5073


■ 31.5632, 34.7263,
37.9746


■ 16.9464, 27.4562,
25.3093


■ 35.0155, 36.4722,
39.6658

 16.8679, 27.4205,
25.0918

 38.9025, 38.4412,
41.4181

 43.2394, 40.6413,
43.2326

 48.0404, 43.0797,
45.1102

 53.3194, 45.7636,
47.0520

Harmonies

Analogous

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



22.6758, 29.8008, 22.8057



21.7648, 29.8008, 31.7991



22.4797, 29.8008, 43.1029

Triad

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



21.7648, 29.8008, 31.7991



31.8348, 29.8008, 54.0443



32.2638, 29.8008, 17.9787

Complementary

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



21.7648, 29.8008, 31.7991



20.3719, 14.9430, 13.8683

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.



35.1042, 29.8008, 23.7119



21.7648, 29.8008, 31.7991



34.8416, 29.8008, 44.4847

Square

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



21.7648, 29.8008, 31.7991



28.0973, 29.8008, 57.5082



36.0859, 29.8008, 33.1057



28.5535, 29.8008, 15.9877

Rectangle

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



21.7648, 29.8008, 31.7991



23.8205, 29.8008, 50.2153



36.0859, 29.8008, 33.1057



33.3638, 29.8008, 19.4605

Sweetspot

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



21.7656, 29.8020, 31.7998



53.8405, 61.2950, 67.1132



19.8771, 29.2429, 12.9849



11.8442, 13.6414, 14.9370



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.



21.7656, 29.8020, 31.7998



36.4782, 52.5958, 54.9441



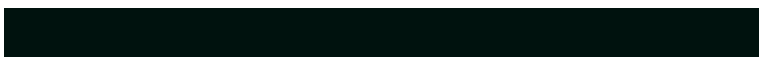
19.5422, 23.2215, 37.6360



7.2136, 7.9862, 8.7364



13.3042, 21.6080, 19.8500



0.2944, 0.4600, 0.4955

Inverse Universe

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



20.3719, 14.9430, 13.8683



33.6557, 22.2887, 18.4708



21.6659, 18.6511, 10.8462



7.1305, 7.1086, 7.6734



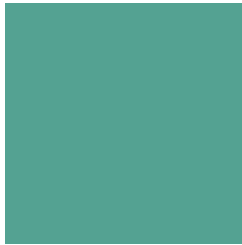
11.9709, 6.1444, 1.7712



0.2667, 0.1352, 0.1172

Previews

White Background



This preview shows how the XYZ color 21.7648, 29.8008, 31.7991 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 21.7648, 29.8008, 31.7991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

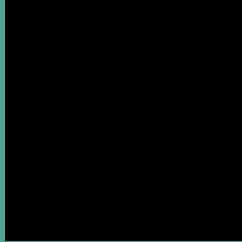
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7648, 29.8008, 31.7991

Background



This preview shows how black text looks on a background with the XYZ color 21.7648, 29.8008, 31.7991.

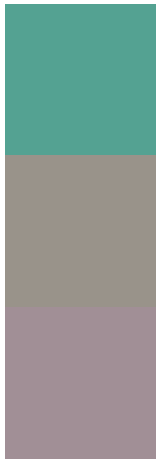


This preview shows how white text looks on a background with the XYZ color 21.7648, 29.8008,

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

21.7648, 29.8008, 31.7991

Protanopia

28.1580, 29.4747, 28.2499

Deuteranopia

30.0254, 29.4240, 32.9511



Tritanopia

23.9912, 29.6693, 42.9904

Trichromacy



Original Color

21.7648, 29.8008, 31.7991

Protanomaly

24.9380, 28.9688, 29.4765

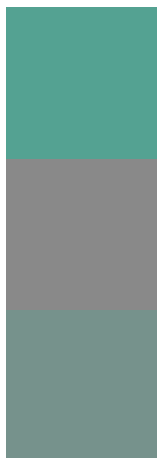
Deuteranomaly

26.0040, 28.9692, 32.6548

Tritanomaly

23.0395, 29.5288, 38.6677

Monochromacy



Original Color

21.7648, 29.8008, 31.7991

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.4837, 26.3028, 28.7029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7648, 29.8008, 31.7991 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(84, 162, 146)` looks like.

```
.text, #text, p{  
    color:rgb(84, 162, 146)  
}
```

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(84, 162, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 162, 146) }
```

Border

The CSS property to change the border of an element to XYZ 21.7648, 29.8008, 31.7991 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(84, 162, 146) }
```


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

```
.border{ border-color:rgb(84, 162, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 162, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 162, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 162, 146);  
box-shadow:4px 4px 4px 4px rgb(84, 162,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7648, 29.8008, 31.7991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 162, 146) }
```

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

```
.background{ background-color: rgb(84, 162,  
146) }
```

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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