

Converting Colors

XYZ(22.7793, 31.3217, 34.9821)

Have a look what the booklet for
XYZ(22.7793, 31.3217, 34.9821)
contains.

XYZ(22.7793, 31.3217, 34.9821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.7793, 31.3217,
34.9821)**

Conversions

Conversions Part 1

Format	Color
Hex	51A699
RGB	81, 166, 153
RGB Percent	32%, 65%, 60%
CMY	0.6823, 0.3490, 0.4000
CMYK	0.51, 0.00, 0.08, 0.35
HSL	171°, 34%, 48%
HSV	171°, 51%, 65%
XYZ	22.7793, 31.3217, 34.9821
YIQ	139.1030, -46.4870, -22.0630

Conversions

Conversions Part 2

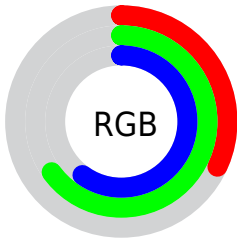
Format	Color
RYB	81, 127, 166
Decimal	5351065
CIELab	62.78, -28.98, -1.16
CIELCh	63, 29.007, 182.284
Yxy	31.3217, 0.2557, 0.3516
Android (android.graphics.Color)	4283541145 (0xFF51A699)
YUV	139.1030, 6.8512, -50.9563
Hunter-Lab	55.9658, -25.2867, 2.1161

Details

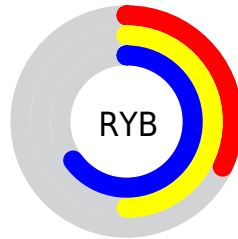
The XYZ color **22.7793, 31.3217, 34.9821** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.6897, 14.8008, 12.3571**, and the grayscale version is **24.5683, 25.8477, 28.1482**.

A 20% lighter version of the original color is **47.2723, 61.4521, 68.4014**, and **8.6293, 13.1041, 14.6449** is the 20% darker color. If you saturate the color by 10%, you get **21.3197, 30.5940, 33.8312**, and if you desaturate by 10%, it is **24.5929, 32.2329, 36.1743**.

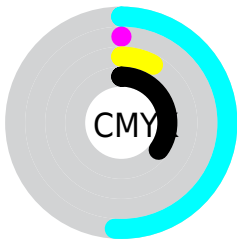
Distribution



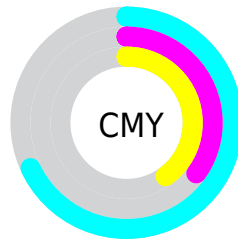
- Red (32%)
- Green (65%)
- Blue (60%)



- Red (32%)
- Yellow (50%)
- Blue (65%)



- Cyan (51%)
- Magenta (0%)
- Yellow (8%)
- Black (35%)



- Cyan (68%)
- Magenta (35%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7793, 31.3217, 34.9821 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 22.7793, 31.3217, 34.9821 by changing the saturation by 10% instead.

■ 22.7793, 31.3217,
34.9821

■ 22.7793, 31.3217,
34.9821

259.1460,
308.0177, 339.3912

■ 14.5504, 20.8439,
23.3656

■ 47.5000, 61.7462,
68.6093

■ 8.5887, 13.0100,
14.6559

■ 64.7226, 82.4617,
91.4571

■ 4.5289, 7.4354,
8.4343

■ 85.6737, 107.3586,
118.8858

■ 2.0055, 3.7359,
4.2824

■ 110.7188,
136.8213, 151.3139

■ 0.6370, 1.5269,
1.7815

■ 140.2232,
171.2342, 189.1599

■ 0.0000, 0.3076,
0.4157

174.5523,

■ 0.0000, 0.0000,

210.9816, 232.8425

0.0000

214.0715,
256.4479, 282.7800

■ 22.7793, 31.3217,
34.9821

■ 22.7793, 31.3217,
34.9821

■ 21.3197, 30.5940,
33.8312

■ 24.5929, 32.2329,
36.1743

■ 20.1856, 30.0328,
32.7180

■ 26.7811, 33.3360,
37.4067

■ 19.3484, 29.6242,
31.6417

■ 29.3659, 34.6429,
38.6813

■ 18.7735, 29.3502,
30.6006

■ 32.3670, 36.1640,
39.9991

■ 18.4156, 29.1851,
29.7105

■ 35.8026, 37.9086,
41.3610

■ 39.6901, 39.8855,
42.7682

■ 44.0457, 42.1032,
44.2213

■ 48.8848, 44.5697,
45.7214

■ 54.2222, 47.2925,
47.2692

Harmonies

Analogous

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



23.5143, 31.3217, 24.9178



22.7793, 31.3217, 34.9821



23.7750, 31.3217, 47.1559

Triad

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



22.7793, 31.3217, 34.9821



34.0340, 31.3217, 56.1117



33.4615, 31.3217, 18.1877

Complementary

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



22.7793, 31.3217, 34.9821



20.6897, 14.8008, 12.3571

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.



36.6972, 31.3217, 23.7144



22.7793, 31.3217, 34.9821



37.0479, 31.3217, 45.3089

Square

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



22.7793, 31.3217, 34.9821



30.0754, 31.3217, 60.9265



38.0627, 31.3217, 33.2407



29.4674, 31.3217, 16.5991

Rectangle

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



22.7793, 31.3217, 34.9821



25.3428, 31.3217, 54.4725



38.0627, 31.3217, 33.2407



34.6857, 31.3217, 19.5753

Sweetspot

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



22.7802, 31.3229, 34.9828



56.4281, 64.4588, 71.6076



19.8590, 30.3096, 12.5888



12.3807, 14.2996, 15.9159



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.7802, 31.3229, 34.9828



38.4763, 55.4159, 61.2074



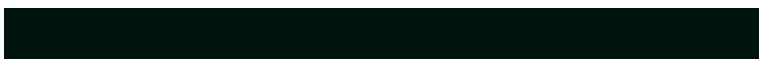
19.3179, 22.5850, 39.4190



7.6975, 8.5120, 9.3932



14.2936, 22.6362, 23.1108



0.3607, 0.5559, 0.6301

Inverse Universe

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



20.6897, 14.8008, 12.3571



34.2901, 22.1520, 15.7676



22.7164, 19.7106, 10.3923



7.5762, 7.5603, 8.0853



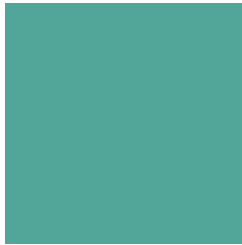
12.3456, 6.3469, 1.3653



0.3138, 0.1598, 0.1039

Previews

White Background



This preview shows how the XYZ color 22.7793, 31.3217, 34.9821 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 22.7793, 31.3217, 34.9821 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 22.7793, 31.3217, 34.9821

Background



This preview shows how black text looks on a background with the XYZ color 22.7793, 31.3217, 34.9821.



This preview shows how white text looks on a background with the XYZ color 22.7793, 31.3217,

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

22.7793, 31.3217, 34.9821

Protanopia

29.4580, 30.7949, 30.7770

Deuteranopia

31.4689, 30.7786, 36.1806



Tritanopia

24.9582, 31.4037, 45.8204

Trichromacy



Original Color

22.7793, 31.3217, 34.9821

Protanomaly

26.0570, 30.4727, 32.1122

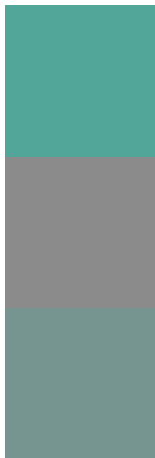
Deuteranomaly

27.0648, 30.1693, 35.8493

Tritanomaly

24.0897, 31.3094, 41.8194

Monochromacy



Original Color

22.7793, 31.3217, 34.9821

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.2527, 27.3601, 30.4410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7793, 31.3217, 34.9821 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(81, 166, 153)` looks like.

```
.text, #text, p{  
    color:rgb(81, 166, 153)  
}
```

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(81, 166, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 166, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.7793, 31.3217, 34.9821 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(81, 166, 153) }
```


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

```
.border{ border-color:rgb(81, 166, 153) }
```

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

Here you see how a box with a 4 pixel rgb(81, 166, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 166, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 166, 153);  
box-shadow:4px 4px 4px 4px rgb(81, 166,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7793, 31.3217, 34.9821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 166, 153) }
```

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

```
.background{ background-color: rgb(81, 166,  
153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor