

Converting Colors

XYZ(19.8686, 32.9702, 22.5838)

Have a look what the booklet for
XYZ(19.8686, 32.9702, 22.5838)
contains.

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Color

**XYZ(19.7916, 32.8723,
22.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	2BB076
RGB	43, 176, 118
RGB Percent	17%, 69%, 46%
CMY	0.8314, 0.3098, 0.5372
CMYK	0.76, 0.00, 0.33, 0.31
HSL	154°, 61%, 43%
HSV	154°, 76%, 69%
XYZ	19.7916, 32.8723, 22.4414
YIQ	129.6210, -60.6500, -46.2340

Conversions

Conversions Part 2

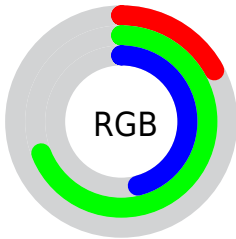
Format	Color
RYB	43, 128, 176
Decimal	2863222
CIELab	64.06, -48.72, 19.89
CIELCh	64, 52.621, 157.790
Yxy	32.8723, 0.2635, 0.4377
Android (android.graphics.Color)	4281053302 (0xFF2BB076)
YUV	129.6210, -5.7292, -75.9666
Hunter-Lab	57.3344, -38.7176, 16.9272

Details

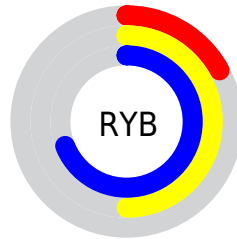
The XYZ color **19.7916, 32.8723, 22.4414** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **21.1184, 11.8981, 13.4966**, and the grayscale version is **21.1200, 22.2199, 24.1975**.

A 20% lighter version of the original color is **42.7013, 64.4313, 48.2161**, and **8.0337, 14.3487, 7.9764** is the 20% darker color. If you saturate the color by 10%, you get **18.7691, 32.3966, 20.1091**, and if you desaturate by 10%, it is **21.1712, 33.5295, 24.9857**.

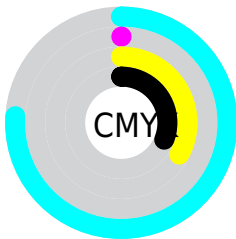
Distribution



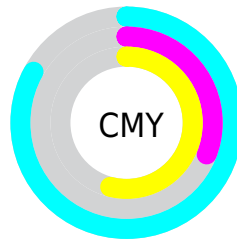
- Red (17%)
- Green (69%)
- Blue (46%)



- Red (17%)
- Yellow (50%)
- Blue (69%)



- Cyan (76%)
- Magenta (0%)
- Yellow (33%)
- Black (31%)





- Cyan (83%)
- Magenta (31%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7916, 32.8723, 22.4414 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 19.7916, 32.8723, 22.4414 by changing the saturation by 10% instead.


 19.7916, 32.8723,
22.4414


 19.7916, 32.8723,
22.4414


243.6398,
315.0739, 277.8711


 12.3510, 22.0286,
13.9802


 42.5741, 64.1761,
48.3860


 7.0571, 13.8779,
7.9683


 58.6468, 85.4050,
66.7064

 3.5445, 8.0358,
3.9872


 78.3275, 110.8645,
89.1503

 1.4478, 4.1179,
1.6183

 101.9817,
140.9389, 116.1363

 0.2899, 1.7397,
0.3038

 129.9747,
176.0127, 148.0828

 0.0000, 0.4492,
0.0000

162.6718,

 0.0000, 0.0000,

216.4702, 185.4084

0.0000

200.4384,
262.6958, 228.5317

■ 19.7916, 32.8723,
22.4414

■ 19.7916, 32.8723,
22.4414

■ 18.7691, 32.3966,
20.1091

■ 21.1712, 33.5295,
24.9857

■ 18.0543, 32.0745,
17.9797

■ 22.9426, 34.3835,
27.7458

■ 17.7900, 31.9575,
17.0975

■ 25.1391, 35.4520,
30.7283

■ 27.7893, 36.7500,
33.9387

■ 30.9197, 38.2907,
37.3824

■ 34.5542, 40.0867,
41.0642

■ 38.7154, 42.1493,
44.9892

■ 43.4244, 44.4894,
49.1619

■ 48.7010, 47.1171,
53.5871

Harmonies

Analogous

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



23.2786, 32.8723, 12.2101



19.7916, 32.8723, 22.4414



19.1145, 32.8723, 41.6322

Triad

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



19.7916, 32.8723, 22.4414



33.2217, 32.8723, 93.5970



43.9555, 32.8723, 16.1121

Complementary

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



19.7916, 32.8723, 22.4414



21.1184, 11.8981, 13.4966

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.



47.6528, 32.8723, 30.5259



19.7916, 32.8723, 22.4414



40.8465, 32.8723, 78.8664

Square

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



19.7916, 32.8723, 22.4414



26.1466, 32.8723, 88.6392



46.4330, 32.8723, 53.6030



36.9645, 32.8723, 9.6967

Rectangle

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



19.7916, 32.8723, 22.4414



20.2285, 32.8723, 58.4705



46.4330, 32.8723, 53.6030



45.6714, 32.8723, 19.8985

Sweetspot

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



19.7925, 32.8736, 22.4422



57.4235, 70.1090, 69.2048



21.5387, 34.1012, 7.7328



11.9722, 14.9607, 14.5015



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.7925, 32.8736, 22.4422



33.0780, 58.3187, 33.7187



23.0869, 32.1559, 46.0658



8.5829, 9.5677, 10.0634



13.0821, 23.4588, 12.7012



0.4403, 0.7496, 0.5506

Inverse Universe

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



21.1184, 11.8981, 13.4966



35.6445, 18.4280, 16.9295



19.4671, 11.6566, 3.5097



8.6451, 8.5648, 9.6297



14.1417, 7.1742, 5.9062



0.4744, 0.2375, 0.3411

Previews

White Background



This preview shows how the XYZ color 19.7916, 32.8723, 22.4414 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 19.7916, 32.8723, 22.4414 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 19.7916, 32.8723, 22.4414

Background



This preview shows how black text looks on a background with the XYZ color 19.7916, 32.8723, 22.4414.



This preview shows how white text looks on a background with the XYZ color 19.7916, 32.8723,

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

19.7916, 32.8723, 22.4414

Protanopia

29.9883, 32.3009, 18.8415

Deuteranopia

32.8184, 32.2188, 23.5579



Tritanopia

25.1186, 32.7604, 49.2555

Trichromacy



Original Color

19.7916, 32.8723, 22.4414



Protanomaly

23.7301, 31.0755, 20.0767



Deuteranomaly

24.9456, 30.6047, 23.0049



Tritanomaly

22.7454, 32.6211, 37.8986

Monochromacy



Original Color

19.7916, 32.8723, 22.4414



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.2366, 24.9705, 23.5446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7916, 32.8723, 22.4414 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(43, 176, 118)` looks like.

```
.text, #text, p{  
    color:rgb(43, 176, 118)  
}
```

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(43, 176, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 176, 118) }
```

Border

The CSS property to change the border of an element to XYZ 19.7916, 32.8723, 22.4414 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(43, 176, 118) }
```


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

```
.border{ border-color:rgb(43, 176, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 176, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 176, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 176, 118);  
box-shadow:4px 4px 4px 4px rgb(43, 176,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7916, 32.8723, 22.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 176, 118) }
```

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

```
.background{ background-color: rgb(43, 176,  
118) }
```

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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