

Converting Colors

XYZ(17.9911, 29.6996, 22.2185)

Have a look what the booklet for
XYZ(17.9911, 29.6996, 22.2185)
contains.

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Color

**XYZ(17.9921, 29.6773,
22.2328)**

Conversions

Conversions Part 1

Format	Color
Hex	22A877
RGB	34, 168, 119
RGB Percent	13%, 66%, 47%
CMY	0.8666, 0.3412, 0.5333
CMYK	0.80, 0.00, 0.29, 0.34
HSL	158°, 66%, 40%
HSV	158°, 80%, 66%
XYZ	17.9921, 29.6773, 22.2328
YIQ	122.3480, -64.1350, -43.6470

Conversions

Conversions Part 2

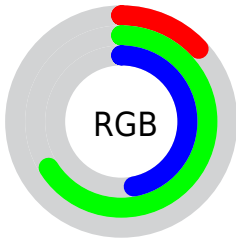
Format	Color
RYB	34, 116, 168
Decimal	2271351
CIELab	61.37, -46.42, 15.63
CIELCh	61, 48.984, 161.389
Yxy	29.6773, 0.2574, 0.4246
Android (android.graphics.Color)	4280461431 (0xFF22A877)
YUV	122.3480, -1.6506, -77.4812
Hunter-Lab	54.4769, -36.3813, 13.9367

Details

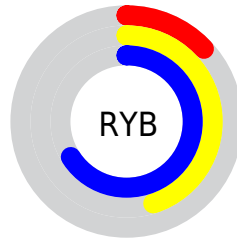
The XYZ color **17.9921, 29.6773, 22.2328** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.2828, 10.0941, 9.1695**, and the grayscale version is **18.6336, 19.6040, 21.3487**.

A 20% lighter version of the original color is **39.4858, 59.0764, 47.8498**, and **7.2362, 12.7037, 7.8650** is the 20% darker color. If you saturate the color by 10%, you get **17.2107, 29.3165, 20.3325**, and if you desaturate by 10%, it is **19.0696, 30.1895, 24.2728**.

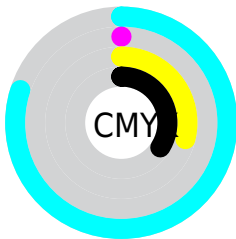
Distribution



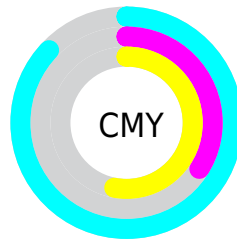
- Red (13%)
- Green (66%)
- Blue (47%)



- Red (13%)
- Yellow (45%)
- Blue (66%)



- Cyan (80%)
- Magenta (0%)
- Yellow (29%)
- Black (34%)





- Cyan (87%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9921, 29.6773, 22.2328 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 17.9921, 29.6773, 22.2328 by changing the saturation by 10% instead.


 17.9921, 29.6773,
22.2328


 17.9921, 29.6773,
22.2328

233.8730,
300.3974, 276.7527


 11.0440, 19.5938,
13.8281

 39.5541, 59.1515,
48.0376


 6.1639, 12.1001,
7.8638


 54.8986, 79.3109,
66.2747


 2.9866, 6.8119,
3.9214


 73.7726, 103.5978,
88.6265

 1.1467, 3.3447,
1.5823

 96.5415, 132.3965,
115.5113

 0.0636, 1.3143,
0.2782

 123.5707,
166.0914, 147.3478

 0.0000, 0.1522,
0.0000

 155.2254,

 0.0000, 0.0000,

205.0669, 184.5545

0.0000

191.8710,
249.7074, 227.5500

■ 17.9921, 29.6773,
22.2328

■ 17.9921, 29.6773,
22.2328

■ 17.2107, 29.3165,
20.3325

■ 19.0696, 30.1895,
24.2728

■ 16.6471, 29.0645,
18.5639

■ 20.4760, 30.8677,
26.4544

■ 16.6343, 29.0588,
18.5229

■ 22.2422, 31.7285,
28.7819

■ 24.3948, 32.7856,
31.2586

■ 26.9577, 34.0513,
33.8877

■ 29.9529, 35.5369,
36.6725

■ 33.4008, 37.2527,
39.6158

■ 37.3203, 39.2087,
42.7205

■ 41.7295, 41.4139,
45.9893

Harmonies

Analogous

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



20.7621, 29.6773, 12.2898



17.9921, 29.6773, 22.2328



17.6935, 29.6773, 39.8641

Triad

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



17.9921, 29.6773, 22.2328



30.7335, 29.6773, 81.2746



38.5971, 29.6773, 14.0305

Complementary

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



17.9921, 29.6773, 22.2328



18.2828, 10.0941, 9.1695

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.



42.2298, 29.6773, 25.7822



17.9921, 29.6773, 22.2328



37.2486, 29.6773, 67.0502

Square

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



17.9921, 29.6773, 22.2328



24.4238, 29.6773, 79.1470



41.7017, 29.6773, 45.0567



32.3628, 29.6773, 8.9571

Rectangle

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



17.9921, 29.6773, 22.2328



18.8722, 29.6773, 54.6243



41.7017, 29.6773, 45.0567



40.2030, 29.6773, 17.0938

Sweetspot

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



17.9929, 29.6785, 22.2335



51.7077, 63.1717, 64.1443



17.8714, 29.9671, 6.3560



10.8736, 13.5722, 13.6073



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.



17.9929, 29.6785, 22.2335



30.4257, 52.8387, 34.3099



18.6561, 25.0237, 40.8940



7.6294, 8.4848, 9.0345



12.5863, 21.9533, 14.1203



0.3295, 0.5434, 0.4663

Inverse Universe

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



18.2828, 10.0941, 9.1695



31.0690, 15.9651, 10.1973



17.6601, 10.8851, 2.6840



7.6403, 7.5860, 8.4229



12.8625, 6.5537, 4.0875



0.3376, 0.1693, 0.2291

Previews

White Background



This preview shows how the XYZ color 17.9921, 29.6773, 22.2328 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 17.9921, 29.6773, 22.2328 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 17.9921, 29.6773, 22.2328

Background



This preview shows how black text looks on a background with the XYZ color 17.9921, 29.6773, 22.2328.



This preview shows how white text looks on a background with the XYZ color 17.9921, 29.6773,

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

17.9921, 29.6773, 22.2328

Protanopia

27.2946, 29.2407, 18.6734

Deuteranopia

29.5887, 28.9654, 23.4334



Tritanopia

22.4992, 29.6357, 44.5788

Trichromacy



Original Color

17.9921, 29.6773, 22.2328



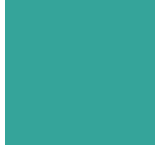
Protanomaly

21.5120, 28.1457, 19.9216



Deuteranomaly

22.3875, 27.5563, 22.8779



Tritanomaly

20.5764, 29.6409, 35.2086

Monochromacy



Original Color

17.9921, 29.6773, 22.2328



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.9003, 22.0194, 21.4486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9921, 29.6773, 22.2328 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(34, 168, 119)` looks like.

```
.text, #text, p{  
    color:rgb(34, 168, 119)  
}
```

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(34, 168, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 168, 119) }
```

Border

The CSS property to change the border of an element to XYZ 17.9921, 29.6773, 22.2328 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(34, 168, 119) }
```


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

```
.border{ border-color:rgb(34, 168, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 168, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 168, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 168, 119);  
box-shadow:4px 4px 4px 4px rgb(34, 168,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9921, 29.6773, 22.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 168, 119) }
```

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

```
.background{ background-color: rgb(34, 168,  
119) }
```

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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