

Converting Colors

XYZ(17.7229, 28.7328, 22.2241)

Have a look what the booklet for
XYZ(17.7229, 28.7328, 22.2241)
contains.

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Color

**XYZ(17.7597, 28.7377,
22.3802)**

Conversions

Conversions Part 1

Format	Color
Hex	29A578
RGB	41, 165, 120
RGB Percent	16%, 65%, 47%
CMY	0.8392, 0.3529, 0.5294
CMYK	0.75, 0.00, 0.27, 0.35
HSL	158°, 60%, 40%
HSV	158°, 75%, 65%
XYZ	17.7597, 28.7377, 22.3802
YIQ	122.7940, -59.4590, -40.2830

Conversions

Conversions Part 2

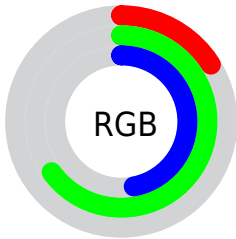
Format	Color
RYB	41, 117, 165
Decimal	2729336
CIELab	60.55, -44.11, 13.95
CIElCh	61, 46.260, 162.448
Yxy	28.7377, 0.2578, 0.4172
Android (android.graphics.Color)	4280919416 (0xFF29A578)
YUV	122.7940, -1.3774, -71.7333
Hunter-Lab	53.6076, -34.6778, 12.7728




Details

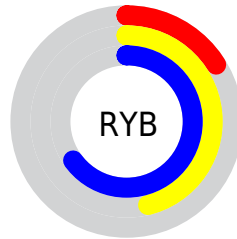
The XYZ color **17.7597, 28.7377, 22.3802** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.9906, 10.2577, 9.8368**, and the grayscale version is **18.7780, 19.7559, 21.5142**.




A 20% lighter version of the original color is **39.1285, 57.6947, 48.1036**, and **6.9315, 12.0433, 7.9205** is the 20% darker color. If you saturate the color by 10%, you get **16.8824, 28.3269, 20.5014**, and if you desaturate by 10%, it is **18.9371, 29.3021, 24.3930**.

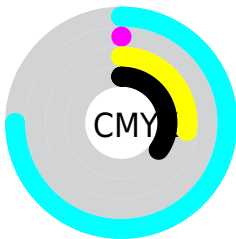
Distribution







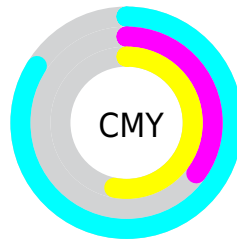
-  Red (16%)
-  Green (65%)
-  Blue (47%)






-  Red (16%)
-  Yellow (46%)
-  Blue (65%)



-  Cyan (75%)
-  Magenta (0%)
-  Yellow (27%)
-  Black (35%)



-  Cyan (84%)
-  Magenta (35%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7597, 28.7377, 22.3802 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 17.7597, 28.7377, 22.3802 by changing the saturation by 10% instead.

■ 17.7597, 28.7377,
22.3802

■ 17.7597, 28.7377,
22.3802

232.5850,
295.9753, 277.5434

■ 10.8762, 18.8825,
13.9355

■ 39.1607, 57.6601,
48.2838

■ 6.0504, 11.5854,
7.9376

■ 54.4090, 77.4960,
66.5798

■ 2.9167, 6.4620,
3.9679

■ 73.1763, 101.4277,
88.9968

■ 1.1099, 3.1280,
1.6077

■ 95.8279, 129.8395,
115.9531

■ 0.0333, 1.1989,
0.2963

■ 122.7292,
163.1157, 147.8674

■ 0.0000, 0.0608,
0.0000

■ 154.2456,

■ 0.0000, 0.0000,

201.6408, 185.1582

0.0000

190.7424,
245.7992, 228.2440

■ 17.7597, 28.7377,
22.3802

■ 17.7597, 28.7377,
22.3802

■ 16.8824, 28.3269,
20.5014

■ 18.9371, 29.3021,
24.3930

■ 16.2639, 28.0461,
18.7506

■ 20.4433, 30.0326,
26.5413

■ 16.0116, 27.9337,
17.9450

■ 22.3063, 30.9443,
28.8291

■ 24.5501, 32.0495,
31.2595

■ 27.1968, 33.3597,
33.8355

■ 30.2666, 34.8851,
36.5600

■ 33.7783, 36.6354,
39.4357

■ 37.7497, 38.6198,
42.4652

■ 42.1974, 40.8468,
45.6511

Harmonies

Analogous

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



20.2711, 28.7377, 12.7502



17.7597, 28.7377, 22.3802



17.5617, 28.7377, 38.9322

Triad

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



17.7597, 28.7377, 22.3802



29.8664, 28.7377, 75.6698



36.6987, 28.7377, 13.9230

Complementary

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



17.7597, 28.7377, 22.3802



17.9906, 10.2577, 9.8368

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.



40.1386, 28.7377, 24.7205



17.7597, 28.7377, 22.3802



35.8250, 28.7377, 62.3886

Square

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



17.7597, 28.7377, 22.3802



23.9942, 28.7377, 74.3119



39.7973, 28.7377, 42.2982



30.9274, 28.7377, 9.2358

Rectangle

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



17.7597, 28.7377, 22.3802



18.7213, 28.7377, 52.4716



39.7973, 28.7377, 42.2982



38.2013, 28.7377, 16.7490

Sweetspot

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



17.7605, 28.7388, 22.3809



49.6009, 60.1868, 61.4191



17.7371, 29.0722, 6.7748



10.4591, 12.9672, 13.0704



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.



17.7605, 28.7388, 22.3809



29.4677, 50.3794, 34.6518



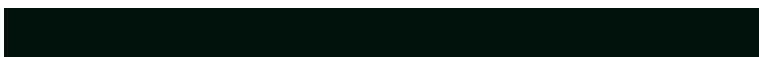
18.3701, 24.5156, 39.3624



7.1665, 7.9674, 8.4885



12.1371, 21.1412, 13.7043



0.2765, 0.4528, 0.4008

Inverse Universe

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



17.9906, 10.2577, 9.8368



29.9708, 15.6401, 11.4235



17.4077, 11.1393, 3.3308



7.1751, 7.1265, 7.9083



12.3757, 6.3063, 3.9030



0.2821, 0.1414, 0.1984

Previews

White Background



This preview shows how the XYZ color 17.7597, 28.7377, 22.3802 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 17.7597, 28.7377, 22.3802 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 17.7597, 28.7377, 22.3802

Background



This preview shows how black text looks on a background with the XYZ color 17.7597, 28.7377, 22.3802.



This preview shows how white text looks on a background with the XYZ color 17.7597, 28.7377,

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

17.7597, 28.7377, 22.3802

Protanopia

26.5122, 28.3671, 19.1170

Deuteranopia

28.8699, 28.3695, 23.6929



Tritanopia

21.8243, 28.5522, 42.8889

Trichromacy



Original Color

17.7597, 28.7377, 22.3802

Protanomaly

21.2049, 27.2488, 20.0615

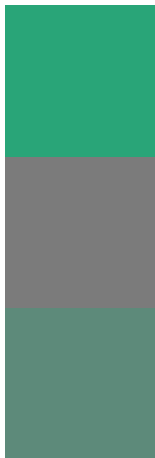
Deuteranomaly

22.2707, 27.0151, 23.1094

Tritanomaly

20.0997, 28.6266, 34.1719

Monochromacy



Original Color

17.7597, 28.7377, 22.3802

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.1155, 21.9093, 21.7392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7597, 28.7377, 22.3802 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(41, 165, 120)` looks like.

```
.text, #text, p{  
    color:rgb(41, 165, 120)  
}
```

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(41, 165, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 165, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.7597, 28.7377, 22.3802 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(41, 165, 120) }
```


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

```
.border{ border-color:rgb(41, 165, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 165, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 165, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 165, 120);  
box-shadow:4px 4px 4px 4px rgb(41, 165,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7597, 28.7377, 22.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 165, 120) }
```

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

```
.background{ background-color: rgb(41, 165,  
120) }
```

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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