

Converting Colors

XYZ(20.9516, 28.9768, 4.4888)

Have a look what the booklet for
XYZ(20.9516, 28.9768, 4.4888)
contains.

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Color

**XYZ(20.9793, 28.9657,
4.4852)**

Conversions

Conversions Part 1

Format	Color
Hex	7F9E00
RGB	127, 158, 0
RGB Percent	50%, 62%, 0%
CMY	0.5020, 0.3804, 0.9999
CMYK	0.20, 0.00, 1.00, 0.38
HSL	72°, 100%, 31%
HSV	72°, 100%, 62%
XYZ	20.9793, 28.9657, 4.4852
YIQ	130.7190, 32.2420, -55.7100

Conversions

Conversions Part 2

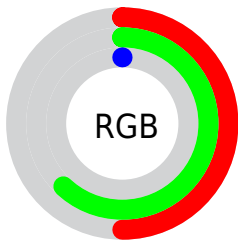
Format	Color
RYB	0, 158, 31
Decimal	8363520
CIELab	60.75, -28.65, 63.26
CIELCh	61, 69.444, 114.368
Yxy	28.9657, 0.3854, 0.5322
Android (android.graphics.Color)	4286553600 (0xFF7F9E00)
YUV	130.7190, -64.4445, -3.2616
Hunter-Lab	53.8198, -24.6042, 32.7328

Details

The XYZ color **20.9793, 28.9657, 4.4852** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.7376, 2.7606, 32.5271**, and the grayscale version is **21.6888, 22.8183, 24.8492**.

A 20% lighter version of the original color is **44.5253, 58.1368, 15.1781**, and **8.0053, 11.9319, 1.8812** is the 20% darker color. If you saturate the color by 10%, you get **20.9795, 28.9668, 4.4854**, and if you desaturate by 10%, it is **21.5410, 29.2456, 4.9926**.

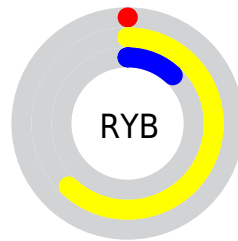
Distribution



Red (50%)

Green (62%)

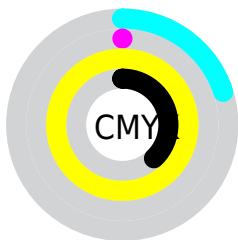
Blue (0%)



Red (0%)

Yellow (62%)

Blue (12%)

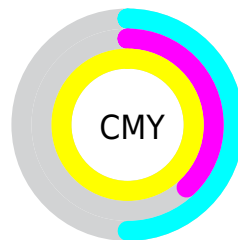


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (50%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9793, 28.9657, 4.4852 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 20.9793, 28.9657, 4.4852 by changing the saturation by 10% instead.

■ 20.9793, 28.9657,
4.4852

■ 20.9793, 28.9657,
4.4852

249.9023,
297.0531, 153.4747

■ 13.2212, 19.0549,
1.8951

■ 44.5446, 58.0226,
15.1142

■ 7.6591, 11.7099,
0.4896

■ 61.0826, 77.9374,
23.9901

■ 3.9276, 6.5465,
0.0000

■ 81.2779, 101.9557,
35.7985

■ 1.6612, 3.1801,
0.0000

■ 105.4959,
130.4619, 50.9577

■ 0.4318, 1.2265,
0.0000

■ 134.1020,
163.8403, 69.8864


■ 0.0000, 0.0832,
0.0000


■ 167.4616,


■ 0.0000, 0.0000,


202.4754, 93.0031


0.0000


 205.9398,
246.7515, 120.7264


 20.9793, 28.9657,
4.4852


 20.9793, 28.9657,
4.4852

 20.9795, 28.9668,
4.4854

 21.5410, 29.2456,
4.9926

 22.1877, 29.5601,
5.8754

 22.9514, 29.9231,
7.2994

 23.8455, 30.3399,
9.3335

 24.8812, 30.8151,
12.0365

■ 26.0684, 31.3526,
15.4602

■ 27.4161, 31.9560,
19.6514

■ 28.9327, 32.6287,
24.6528

■ 30.6257, 33.3737,
30.5041

Harmonies

Analogous

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



29.2677, 28.9657, 3.4391



20.9793, 28.9657, 4.4852



15.7071, 28.9657, 10.5546

Triad

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



20.9793, 28.9657, 4.4852



18.6156, 28.9657, 91.5562



48.6399, 28.9657, 36.6665

Complementary

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



20.9793, 28.9657, 4.4852



6.7376, 2.7606, 32.5271

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.



44.1633, 28.9657, 70.2097



20.9793, 28.9657, 4.4852



25.8645, 28.9657, 111.2502

Square

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



20.9793, 28.9657, 4.4852



14.5655, 28.9657, 56.7816



35.3219, 28.9657, 101.8342



46.5360, 28.9657, 15.1677

Rectangle

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



20.9793, 28.9657, 4.4852



13.9826, 28.9657, 19.9623



35.3219, 28.9657, 101.8342



47.8296, 28.9657, 46.8988

Sweetspot

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



20.9800, 28.9670, 4.4858



49.6313, 57.9605, 35.1922



14.5402, 8.1471, 0.8066



10.9636, 12.9663, 7.2213



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.9800, 28.9670, 4.4858



37.9335, 52.5168, 8.1374



13.5451, 25.1342, 4.1379



7.0426, 7.6546, 7.0920



16.8335, 23.2147, 3.5937



0.3309, 0.4305, 0.0657

Inverse Universe

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



6.7376, 2.7606, 32.5271



12.1035, 4.9449, 59.0600



12.3531, 5.6555, 32.7899



6.4003, 6.4948, 8.3230



5.4223, 2.2243, 26.0508



0.1260, 0.0547, 0.4672

Previews

White Background



This preview shows how the XYZ color 20.9793, 28.9657, 4.4852 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 20.9793, 28.9657, 4.4852 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 20.9793, 28.9657, 4.4852

Background



This preview shows how black text looks on a background with the XYZ color 20.9793, 28.9657, 4.4852.



This preview shows how white text looks on a background with the XYZ color 20.9793, 28.9657,

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

20.9793, 28.9657, 4.4852

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.2094, 28.7394, 5.1064



Tritanopia

27.4205, 28.9115, 36.4830

Trichromacy



Original Color

20.9793, 28.9657, 4.4852

Protanomaly

23.8291, 28.7125, 4.2861

Deuteranomaly

25.4923, 28.3880, 4.7081

Tritanomaly

23.4072, 28.2237, 16.5259

Monochromacy



Original Color

20.9793, 28.9657, 4.4852

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.2921, 24.4201, 11.8277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9793, 28.9657, 4.4852 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(127, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 158, 0)  
}
```

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(127, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9793, 28.9657, 4.4852 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(127, 158, 0) }
```


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

```
.border{ border-color:rgb(127, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(127, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9793, 28.9657, 4.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 158, 0) }
```

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

```
.background{ background-color: rgb(127,  
158, 0) }
```

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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