

Converting Colors

XYZ(21.5136, 28.0007, 4.2708)

Have a look what the booklet for
XYZ(21.5136, 28.0007, 4.2708)
contains.

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Color

**XYZ(21.5446, 28.0167,
4.2722)**

Conversions

Conversions Part 1

Format	Color
Hex	889900
RGB	136, 153, 0
RGB Percent	53%, 60%, 0%
CMY	0.4667, 0.4000, 1.0000
CMYK	0.11, 0.00, 1.00, 0.40
HSL	67°, 100%, 30%
HSV	67°, 100%, 60%
XYZ	21.5446, 28.0167, 4.2722
YIQ	130.4750, 38.9810, -51.1870

Conversions

Conversions Part 2

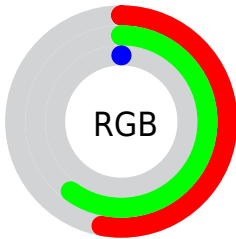
Format	Color
RYB	0, 153, 17
Decimal	8952064
CIELab	59.90, -22.31, 62.91
CIELCh	60, 66.746, 109.527
Yxy	28.0167, 0.4002, 0.5204
Android (android.graphics.Color)	4287142144 (0xFF889900)
YUV	130.4750, -64.3242, 4.8454
Hunter-Lab	52.9308, -19.9735, 32.2661

Details

The XYZ color **21.5446, 28.0167, 4.2722** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.9817, 2.4196, 30.2904**, and the grayscale version is **21.5993, 22.7242, 24.7466**.

A 20% lighter version of the original color is **45.4748, 56.4310, 14.6264**, and **8.2310, 11.2966, 1.7466** is the 20% darker color. If you saturate the color by 10%, you get **21.5450, 28.0179, 4.2724**, and if you desaturate by 10%, it is **21.9120, 28.1969, 4.7513**.

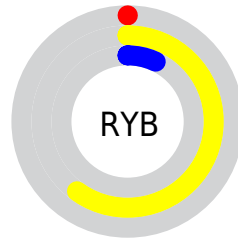
Distribution



Red (53%)

Green (60%)

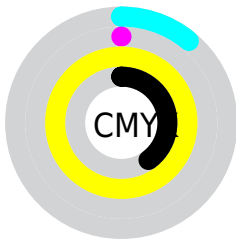
Blue (0%)



Red (0%)

Yellow (60%)

Blue (7%)

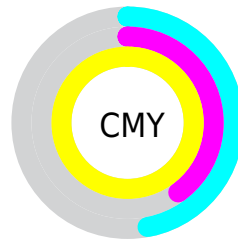


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (47%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5446, 28.0167, 4.2722 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 21.5446, 28.0167, 4.2722 by changing the saturation by 10% instead.

■ 21.5446, 28.0167,
4.2722

■ 21.5446, 28.0167,
4.2722

252.8361,
292.5467, 151.2045

■ 13.6374, 18.3382,
1.7758

■ 45.4766, 56.5111,
14.6328

■ 7.9489, 11.1931,
0.4119

■ 62.2322, 76.0958,
23.3342

■ 4.1138, 6.1969,
0.0000

■ 82.6679, 99.7515,
34.9409

■ 1.7667, 2.9652,
0.0000

■ 107.1491,
127.8624, 49.8716


■ 0.4975, 1.1136,
0.0000


■ 136.0411,
160.8130, 68.5447


■ 0.0000, 0.0000,
0.0000


■ 169.7094,


198.9876, 91.3789


 208.5193,
242.7707, 118.7926


 21.5446, 28.0167,
4.2722


 21.5446, 28.0167,
4.2722


 21.5450, 28.0179,
4.2724

 21.9120, 28.1969,
4.7513

 22.3486, 28.4042,
5.5743

 22.8850, 28.6519,
6.8999

 23.5333, 28.9449,
8.7916

 24.3039, 29.2874,
11.3035

■ 25.2057, 29.6828,
14.4834

■ 26.2470, 30.1346,
18.3746

■ 27.4354, 30.6457,
23.0165

■ 28.7778, 31.2190,
28.4457

Harmonies

Analogous

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



29.7029, 28.0167, 3.7783



21.5446, 28.0167, 4.2722



16.0557, 28.0167, 9.1316

Triad

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



21.5446, 28.0167, 4.2722



17.3893, 28.0167, 81.5693



46.0853, 28.0167, 39.8010

Complementary

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



21.5446, 28.0167, 4.2722



5.9817, 2.4196, 30.2904

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.



41.0505, 28.0167, 71.9391



21.5446, 28.0167, 4.2722



23.7749, 28.0167, 103.2708

Square

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



21.5446, 28.0167, 4.2722



14.0328, 28.0167, 48.9172



32.4564, 28.0167, 99.0311



45.1322, 28.0167, 17.4128

Rectangle

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



21.5446, 28.0167, 4.2722



14.0929, 28.0167, 16.9188



32.4564, 28.0167, 99.0311



45.0014, 28.0167, 49.9169

Sweetspot

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



21.5452, 28.0180, 4.2728



46.8836, 53.9131, 32.4495



13.3129, 7.1232, 0.6736



10.1884, 11.8335, 6.5453



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.5452, 28.0180, 4.2728



38.4849, 50.1237, 7.6465



13.3293, 23.7825, 3.8883



6.6413, 7.1881, 6.6432



17.8229, 23.1639, 3.5317



0.2832, 0.3549, 0.0536

Inverse Universe

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



5.9817, 2.4196, 30.2904



10.6304, 4.2907, 54.2399



10.1446, 4.5657, 30.4853



5.9451, 6.0576, 7.7849



4.9588, 2.0074, 25.0338



0.0888, 0.0376, 0.3749

Previews

White Background



This preview shows how the XYZ color 21.5446, 28.0167, 4.2722 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 21.5446, 28.0167, 4.2722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

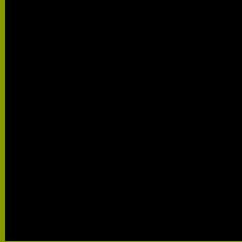
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5446, 28.0167, 4.2722

Background



This preview shows how black text looks on a background with the XYZ color 21.5446, 28.0167, 4.2722.



This preview shows how white text looks on a background with the XYZ color 21.5446, 28.0167,

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

21.5446, 28.0167, 4.2722

Protanopia

25.2297, 28.0373, 4.0820

Deuteranopia

28.4235, 27.9110, 4.8666



Tritanopia

27.4554, 27.8490, 34.0653

Trichromacy



Original Color

21.5446, 28.0167, 4.2722

Protanomaly

23.7268, 27.9521, 4.1448

Deuteranomaly

25.4407, 27.6847, 4.5331

Tritanomaly

23.7642, 27.2605, 15.3185

Monochromacy



Original Color

21.5446, 28.0167, 4.2722

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.1655, 23.7070, 11.6967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5446, 28.0167, 4.2722 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(136, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 153, 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(136, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5446, 28.0167, 4.2722 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(136, 153, 0) }
```


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

```
.border{ border-color:rgb(136, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(136, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5446, 28.0167, 4.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 153, 0) }
```

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

```
.background{ background-color: rgb(136,  
153, 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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