

Converting Colors

XYZ(21.7442, 27.9486, 43.2788)

Have a look what the booklet for
XYZ(21.7442, 27.9486, 43.2788)
contains.

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Color

**XYZ(21.7891, 28.0207,
43.2899)**

Conversions

Conversions Part 1

Format	Color
Hex	459CAC
RGB	69, 156, 172
RGB Percent	27%, 61%, 67%
CMY	0.7294, 0.3882, 0.3255
CMYK	0.60, 0.09, 0.00, 0.33
HSL	189°, 43%, 47%
HSV	189°, 60%, 67%
XYZ	21.7891, 28.0207, 43.2899
YIQ	131.8110, -56.9880, -13.4680

Conversions

Conversions Part 2

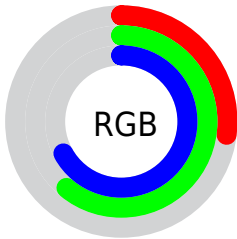
Format	Color
R _Y B	69, 116, 172
Decimal	4562092
CIE _{Lab}	59.91, -21.18, -16.19
CIE _{LCh}	60, 26.655, 217.397
Y _{xy}	28.0207, 0.2340, 0.3010
Android (android.graphics.Color)	4282752172 (0xFF459CAC)
Y _{UV}	131.8110, 19.8132, -55.0852
Hunter-Lab	52.9346, -19.1608, -11.4332

Details

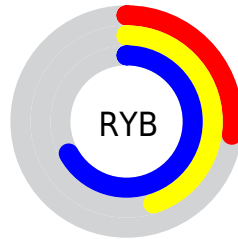
The XYZ color **21.7891, 28.0207, 43.2899** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.3366, 15.6981, 7.5365**, and the grayscale version is **21.8106, 22.9464, 24.9887**.

A 20% lighter version of the original color is **45.9118, 56.6466, 81.1871**, and **8.3405, 11.2567, 19.5025** is the 20% darker color. If you saturate the color by 10%, you get **20.2981, 26.5944, 43.0937**, and if you desaturate by 10%, it is **23.6454, 29.6511, 43.5073**.

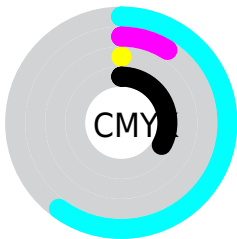
Distribution



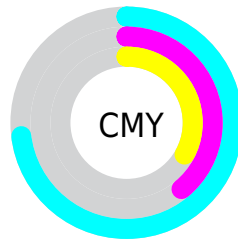
- Red (27%)
- Green (61%)
- Blue (67%)



- Red (27%)
- Yellow (45%)
- Blue (67%)



- Cyan (60%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (39%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7891, 28.0207, 43.2899 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 21.7891, 28.0207, 43.2899 by changing the saturation by 10% instead.

■ 21.7891, 28.0207,
43.2899

■ 21.7891, 28.0207,
43.2899

254.0960,
292.5658, 375.7588

■ 13.8177, 18.3413,
29.7796

■ 45.8786, 56.5175,
81.4392

■ 8.0749, 11.1953,
19.4207

■ 62.7275, 76.1036,
106.9152

■ 4.1951, 6.1983,
11.7948

■ 83.2663, 99.7608,
137.2169

■ 1.8131, 2.9661,
6.4833

■ 107.8603,
127.8734, 172.7627

■ 0.5255, 1.1140,
3.0676

■ 136.8750,
160.8258, 213.9713

■ 0.0000, 0.0000,
1.1293

170.6756,

■ 0.0000, 0.0000,

199.0024, 261.2612

0.0000

209.6275,
242.7876, 315.0508

■ 21.7891, 28.0207,
43.2899

■ 21.7891, 28.0207,
43.2899

■ 20.2981, 26.5944,
43.0937

■ 23.6454, 29.6511,
43.5073

■ 19.1381, 25.3527,
42.9152

■ 25.8920, 31.4970,
43.7452

■ 18.2729, 24.2773,
42.7532

■ 28.5551, 33.5723,
44.0054

■ 17.6227, 23.3273,
42.6041

■ 31.6575, 35.8891,
44.2890

■ 17.6153, 23.3162,
42.6023

■ 35.2204, 38.4582,
44.5972

■ 39.2637, 41.2901,
44.9307

■ 43.8061, 44.3945,
45.2904

■ 48.8653, 47.7805,
45.6774

■ 54.4579, 51.4569,
46.0922

Harmonies

Analogous

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



20.6853, 28.0207, 32.9733



21.7891, 28.0207, 43.2899



24.2086, 28.0207, 51.1586

Triad

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



21.7891, 28.0207, 43.2899



33.1054, 28.0207, 38.2501



25.8036, 28.0207, 15.5055

Complementary

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



21.7891, 28.0207, 43.2899



21.3366, 15.6981, 7.5365

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.



29.2137, 28.0207, 16.3329



21.7891, 28.0207, 43.2899



33.6234, 28.0207, 28.1721

Square

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



21.7891, 28.0207, 43.2899



30.7849, 28.0207, 47.8453



32.1460, 28.0207, 20.5306



22.8719, 28.0207, 17.9669

Rectangle

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



21.7891, 28.0207, 43.2899



26.3383, 28.0207, 53.1784



32.1460, 28.0207, 20.5306



26.9295, 28.0207, 15.4191

Sweetspot

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



21.7900, 28.0217, 43.2906



58.3820, 65.8030, 80.4300



18.8254, 31.4181, 13.5532



12.3158, 14.0279, 17.4462



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.7900, 28.0217, 43.2906



36.0413, 47.4413, 78.0633



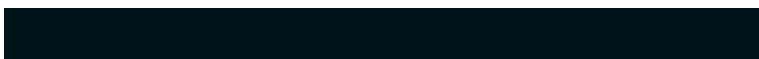
14.9581, 14.3581, 41.0133



8.1288, 8.8570, 10.2338



13.1411, 17.4160, 31.7135



0.3936, 0.5405, 0.8916

Inverse Universe

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



25.1429, 15.4280, 33.1063



42.9769, 23.5853, 56.5049



26.8853, 26.7955, 9.3861



8.2828, 8.1264, 9.8001



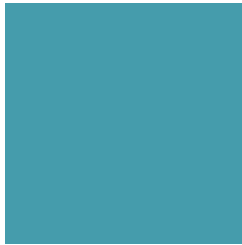
16.4966, 8.0612, 20.7926



0.4731, 0.2299, 0.6529

Previews

White Background



This preview shows how the XYZ color 21.7891, 28.0207, 43.2899 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 21.7891, 28.0207, 43.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

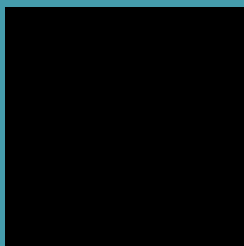
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

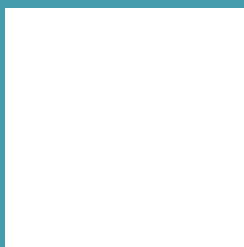
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7891, 28.0207, 43.2899

Background



This preview shows how black text looks on a background with the XYZ color 21.7891, 28.0207, 43.2899.

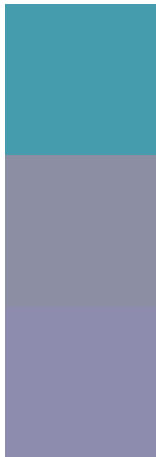


This preview shows how white text looks on a background with the XYZ color 21.7891, 28.0207,

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

21.7891, 28.0207, 43.2899

Protanopia

27.0991, 27.5658, 38.5428

Deuteranopia

28.1005, 27.5140, 44.3871



Tritanopia

21.4338, 27.8705, 41.7860

Trichromacy



Original Color

21.7891, 28.0207, 43.2899

Protanomaly

24.2561, 27.1980, 40.0477

Deuteranomaly

24.9891, 27.2586, 43.9888

Tritanomaly

21.5281, 27.9082, 42.2824

Monochromacy



Original Color

21.7891, 28.0207, 43.2899

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.0980, 24.4075, 31.2029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7891, 28.0207, 43.2899 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(69, 156, 172)` looks like.

```
.text, #text, p{  
    color:rgb(69, 156, 172)  
}
```

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(69, 156, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 156, 172) }
```

Border

The CSS property to change the border of an element to XYZ 21.7891, 28.0207, 43.2899 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(69, 156, 172) }
```


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

```
.border{ border-color:rgb(69, 156, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 156, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 156, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 156, 172);  
box-shadow:4px 4px 4px 4px rgb(69, 156,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7891, 28.0207, 43.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 156, 172) }
```

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

```
.background{ background-color: rgb(69, 156,  
172) }
```

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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