

Converting Colors

XYZ(20.9312, 28.6140, 43.4502)

Have a look what the booklet for
XYZ(20.9312, 28.6140, 43.4502)
contains.

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Color

**XYZ(20.9317, 28.5916,
43.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	29A0AC
RGB	41, 160, 172
RGB Percent	16%, 63%, 67%
CMY	0.8392, 0.3725, 0.3255
CMYK	0.76, 0.07, 0.00, 0.33
HSL	185°, 61%, 42%
HSV	185°, 76%, 67%
XYZ	20.9317, 28.5916, 43.4452
YIQ	125.7870, -74.7760, -21.4960

Conversions

Conversions Part 2

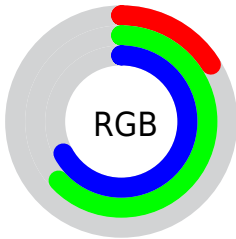
Format	Color
R_{YB}	41, 103, 172
Decimal	2728108
CIE _{Lab}	60.42, -27.45, -15.48
CIE _{LCh}	60, 31.516, 209.422
Yxy	28.5916, 0.2251, 0.3075
Android (android.graphics.Color)	4280918188 (0xFF29A0AC)
YUV	125.7870, 22.7830, -74.3582
Hunter-Lab	53.4711, -23.6992, -10.7433

Details

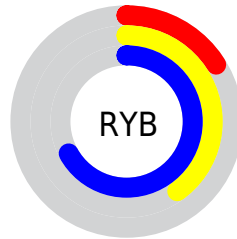
The XYZ color **20.9317, 28.5916, 43.4452** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.6875, 11.4781, 3.3294**, and the grayscale version is **19.7037, 20.7298, 22.5747**.

A 20% lighter version of the original color is **44.3499, 57.3351, 81.4023**, and **8.7527, 12.0812, 19.6399** is the 20% darker color. If you saturate the color by 10%, you get **20.1185, 27.7701, 43.3300**, and if you desaturate by 10%, it is **22.0498, 29.5767, 43.5769**.

Distribution



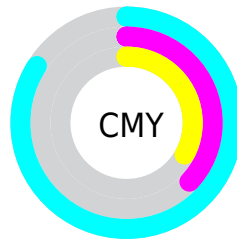
- Red (16%)
- Green (63%)
- Blue (67%)



- Red (16%)
- Yellow (40%)
- Blue (67%)



- Cyan (76%)
- Magenta (7%)
- Yellow (0%)
- Black (33%)





- Cyan (84%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9317, 28.5916, 43.4452 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 20.9317, 28.5916, 43.4452 by changing the saturation by 10% instead.


 20.9317, 28.5916,
43.4452


 20.9317, 28.5916,
43.4452


249.6539,
295.2831, 376.4143


 13.1863, 18.7721,
29.9006


 44.4660, 57.4276,
81.6758


 7.6348, 11.5057,
19.5117


 60.9855, 77.2128,
107.1989


 3.9120, 6.4081,
11.8601


 81.1605, 101.0888,
137.5519

 1.6525, 3.0948,
6.5271

 105.3562,
129.4399, 173.1533

 0.4262, 1.1814,
3.0942

 133.9380,
162.6505, 214.4217

 0.0000, 0.0464,
1.1429

167.2714,

 0.0000, 0.0000,

201.1049, 261.7757

0.0000

205.7215,
245.1877, 315.6337

■ 20.9317, 28.5916,
43.4452

■ 20.9317, 28.5916,
43.4452

■ 20.1185, 27.7701,
43.3300

■ 22.0498, 29.5767,
43.5769

■ 19.5611, 27.0849,
43.2272

■ 23.5049, 30.7400,
43.7248

■ 19.3762, 26.8381,
43.1893

■ 25.3278, 32.0981,
43.8909

■ 27.5451, 33.6648,
44.0764

■ 30.1811, 35.4525,
44.2825

■ 33.2580, 37.4727,
44.5103

■ 36.7964, 39.7361,
44.7607

■ 40.8156, 42.2526,
45.0346

■ 45.3339, 45.0317,
45.3329

Harmonies

Analogous

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



20.0980, 28.5916, 30.9065



20.9317, 28.5916, 43.4452



23.3974, 28.5916, 54.5966

Triad

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



20.9317, 28.5916, 43.4452



34.4593, 28.5916, 43.9347



27.2543, 28.5916, 13.7101

Complementary

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



20.9317, 28.5916, 43.4452



18.6875, 11.4781, 3.3294

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.



31.3398, 28.5916, 15.5874



20.9317, 28.5916, 43.4452



35.7454, 28.5916, 31.3574

Square

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



20.9317, 28.5916, 43.4452



31.1901, 28.5916, 54.9252



34.5517, 28.5916, 21.3965



23.5210, 28.5916, 15.4457

Rectangle

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



20.9317, 28.5916, 43.4452



25.7685, 28.5916, 58.6592



34.5517, 28.5916, 21.3965



28.6327, 28.5916, 13.9304

Sweetspot

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



20.9326, 28.5927, 43.4459



56.2029, 65.2782, 80.4435



16.2858, 30.2243, 8.2157



11.8137, 13.9203, 17.4519



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.



20.9326, 28.5927, 43.4459



35.7993, 49.5502, 78.4831



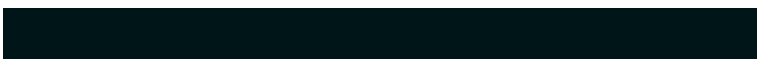
12.5070, 11.7414, 40.6374



8.1727, 8.9447, 10.2485



14.4400, 20.0138, 32.1465



0.4195, 0.5924, 0.9002

Inverse Universe

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



24.1522, 12.8956, 34.4749



42.2218, 20.8600, 59.9994



23.8245, 21.7521, 5.0417



8.3050, 8.1352, 9.9168



17.1523, 8.3235, 24.2451



0.4862, 0.2351, 0.7219

Previews

White Background



This preview shows how the XYZ color 20.9317, 28.5916, 43.4452 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 20.9317, 28.5916, 43.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

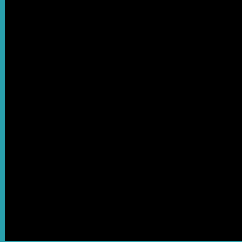
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9317, 28.5916, 43.4452

Background



This preview shows how black text looks on a background with the XYZ color 20.9317, 28.5916, 43.4452.

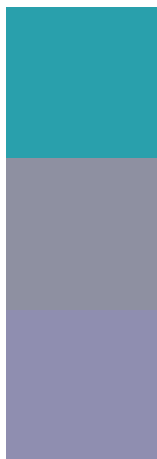


This preview shows how white text looks on a background with the XYZ color 20.9317, 28.5916,

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

20.9317, 28.5916, 43.4452

Protanopia

27.5616, 28.2705, 37.7223

Deuteranopia

28.8372, 28.3202, 45.0208



Tritanopia

21.0685, 28.6510, 43.9549

Trichromacy



Original Color

20.9317, 28.5916, 43.4452

Protanomaly

23.5236, 27.5326, 39.6718

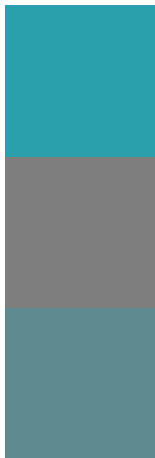
Deuteranomaly

24.4292, 27.6542, 44.6077

Tritanomaly

21.0685, 28.6510, 43.9549

Monochromacy



Original Color

20.9317, 28.5916, 43.4452

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.7657, 22.5930, 29.3584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9317, 28.5916, 43.4452 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, 160, 172)` looks like.

```
.text, #text, p{  
    color:rgb(41, 160, 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(41, 160, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 160, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.9317, 28.5916, 43.4452 is called "border". The border property can be set on classes, ids or directly on the HTML element.

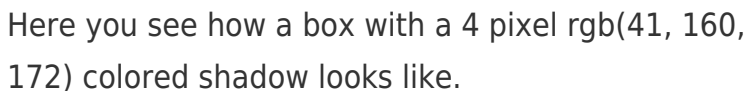
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(41, 160, 172) }
```


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

```
.border{ border-color:rgb(41, 160, 172) }
```

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



Here you see how a box with a 4 pixel `rgb(41, 160, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 160, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 160, 172);  
box-shadow:4px 4px 4px 4px rgb(41, 160,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9317, 28.5916, 43.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 160, 172) }
```

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

```
.background{ background-color: rgb(41, 160,  
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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