

Converting Colors

XYZ(18.1681, 28.1233, 42.4862)

Have a look what the booklet for
XYZ(18.1681, 28.1233, 42.4862)
contains.

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Color

**XYZ(20.5312, 29.4532,
42.6331)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4AA
RGB	0, 164, 170
RGB Percent	0%, 64%, 67%
CMY	0.9999, 0.3569, 0.3333
CMYK	1.00, 0.04, 0.00, 0.33
HSL	182°, 100%, 33%
HSV	182°, 100%, 67%
XYZ	20.5312, 29.4532, 42.6331
YIQ	115.6480, -99.6700, -32.9020

Conversions

Conversions Part 2

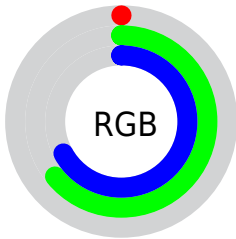
Format	Color
RYB	0, 83, 170
Decimal	42154
CIELab	61.18, -32.67, -13.25
CIELCh	61, 35.250, 202.076
Yxy	29.4532, 0.2217, 0.3180
Android (android.graphics.Color)	4278232234 (0xFF00A4AA)
YUV	115.6480, 26.7955, -101.4233
Hunter-Lab	54.2708, -27.4455, -8.5864

Details

The XYZ color **20.5312, 29.4532, 42.6331** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6435, 8.6772, 0.7987**, and the grayscale version is **16.4390, 17.2951, 18.8343**.

A 20% lighter version of the original color is **43.6414, 58.5322, 80.2319**, and **9.0642, 12.8963, 19.1511** is the 20% darker color. If you saturate the color by 10%, you get **20.5314, 29.4536, 42.6337**, and if you desaturate by 10%, it is **20.8711, 29.7888, 42.6805**.

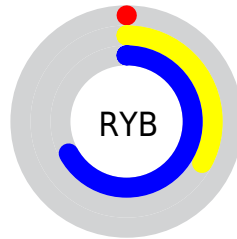
Distribution



Red (0%)

Green (64%)

Blue (67%)



Red (0%)

Yellow (33%)

Blue (67%)

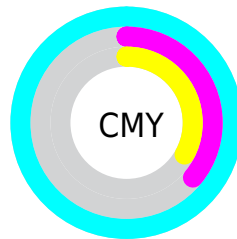


Cyan (100%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (100%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5312, 29.4532, 42.6331 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 20.5312, 29.4532, 42.6331 by changing the saturation by 10% instead.

■ 20.5312, 29.4532,
42.6331

■ 20.5312, 29.4532,
42.6331

■ 247.5556,
299.3473, 372.9775

■ 12.8923, 19.4239,
29.2681

■ 43.8032, 58.7964,
80.4373

■ 7.4309, 11.9770,
19.0364

■ 60.1669, 78.8790,
105.7136

■ 3.7817, 6.7280,
11.5195

■ 80.1697, 103.0816,
135.7973

■ 1.5794, 3.2926,
6.2989

■ 104.1768,
131.7886, 171.1071

■ 0.3789, 1.2863,
2.9559

■ 132.5535,
165.3842, 212.0615

■ 0.0000, 0.1306,
1.0722

■ 165.6654,

■ 0.0000, 0.0000,

204.2529, 259.0790

0.0000

203.8776,
248.7792, 312.5782

■ 20.5312, 29.4532,
42.6331

■ 20.5312, 29.4532,
42.6331

■ 20.5314, 29.4536,
42.6337

■ 20.8711, 29.7888,
42.6805

■ 21.4083, 30.2263,
42.7366

■ 22.2232, 30.8077,
42.8059

■ 23.3517, 31.5515,
42.8900

■ 24.8245, 32.4736,
42.9904

■ 26.6687, 33.5879,
43.1082

■ 28.9086, 34.9069,
43.2448

■ 31.5663, 36.4420,
43.4010

■ 34.6625, 38.2040,
43.5779

Harmonies

Analogous

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



20.0732, 29.4532, 28.6828



20.5312, 29.4532, 42.6331



22.8735, 29.4532, 56.6666

Triad

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



20.5312, 29.4532, 42.6331



35.6171, 29.4532, 50.4220



29.2392, 29.4532, 12.8709

Complementary

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



20.5312, 29.4532, 42.6331



16.6435, 8.6772, 0.7987

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.



33.8277, 29.4532, 15.8741



20.5312, 29.4532, 42.6331



37.7656, 29.4532, 35.7129

Square

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



20.5312, 29.4532, 42.6331



31.4738, 29.4532, 61.9585



37.0770, 29.4532, 23.4132



24.7813, 29.4532, 13.7755

Rectangle

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



20.5312, 29.4532, 42.6331



25.3440, 29.4532, 62.9432



37.0770, 29.4532, 23.4132



30.8233, 29.4532, 13.4191

Sweetspot

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



20.5321, 29.4543, 42.6338



52.2014, 63.1885, 78.4472



14.4066, 28.7626, 4.9561



11.2538, 13.8644, 17.4706



82.5889, 86.8899, 94.6231



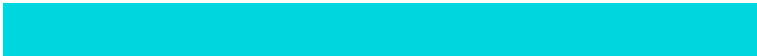
15.4596, 16.2647, 17.7123

Same Dimension

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



20.5321, 29.4543, 42.6338



37.2163, 53.3692, 77.3417



10.0777, 8.5456, 39.1490



7.7245, 8.4860, 9.6492



15.1119, 21.6839, 31.3644



0.3744, 0.5410, 0.7653

Inverse Universe

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



23.2792, 11.2274, 36.0632



42.2184, 20.3620, 65.3368



20.2921, 15.9745, 2.0149



7.8303, 7.6620, 9.4236



17.1284, 8.2601, 26.5513



0.4201, 0.2023, 0.6639

Previews

White Background



This preview shows how the XYZ color 20.5312, 29.4532, 42.6331 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 20.5312, 29.4532, 42.6331 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

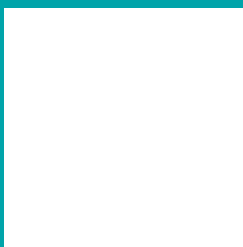
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5312, 29.4532, 42.6331

Background



This preview shows how black text looks on a background with the XYZ color 20.5312, 29.4532, 42.6331.

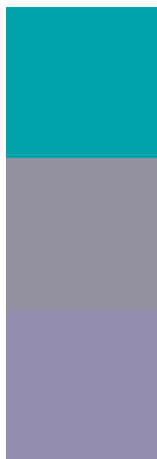


This preview shows how white text looks on a background with the XYZ color 20.5312, 29.4532,

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

20.5312, 29.4532, 42.6331

Protanopia

28.3045, 29.1374, 36.4800

Deuteranopia

29.5929, 28.9431, 44.5843



Tritanopia

21.2870, 29.5111, 45.6486

Trichromacy



Original Color

20.5312, 29.4532, 42.6331

Protanomaly

22.4270, 27.7183, 38.3505

Deuteranomaly

23.2255, 27.5300, 43.6249

Tritanomaly

20.9342, 29.3519, 44.6065

Monochromacy



Original Color

20.5312, 29.4532, 42.6331

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.6555, 20.0085, 26.3294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5312, 29.4532, 42.6331 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(0, 164, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 170)  
}
```

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(0, 164, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.5312, 29.4532, 42.6331 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(0, 164, 170) }
```


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

```
.border{ border-color:rgb(0, 164, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5312, 29.4532, 42.6331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 170) }
```

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

```
.background{ background-color: rgb(0, 164,  
170) }
```

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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