

Converting Colors

XYZ(20.2408, 29.4488, 34.5661)

Have a look what the booklet for
XYZ(20.2408, 29.4488, 34.5661)
contains.

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Color

**XYZ(20.2919, 29.5038,
34.7623)**

Conversions

Conversions Part 1

Format	Color
Hex	31A499
RGB	49, 164, 153
RGB Percent	19%, 64%, 60%
CMY	0.8078, 0.3569, 0.4000
CMYK	0.70, 0.00, 0.07, 0.36
HSL	174°, 54%, 42%
HSV	174°, 70%, 64%
XYZ	20.2919, 29.5038, 34.7623
YIQ	128.3610, -65.0090, -27.8010

Conversions

Conversions Part 2

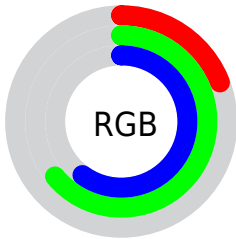
Format	Color
R_{YB}	49, 109, 164
Decimal	3253401
CIE _{Lab}	61.22, -34.03, -3.55
CIE _{LCh}	61, 34.210, 185.954
Yxy	29.5038, 0.2400, 0.3489
Android (android.graphics.Color)	4281443481 (0xFF31A499)
YUV	128.3610, 12.1470, -69.5996
Hunter-Lab	54.3174, -28.3714, 0.0775

Details

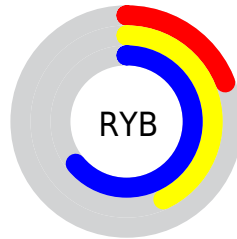
The XYZ color **20.2919, 29.5038, 34.7623** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.2248, 10.4164, 5.3789**, and the grayscale version is **20.6196, 21.6934, 23.6241**.

A 20% lighter version of the original color is **43.5378, 59.1361, 68.1512**, and **8.0827, 12.3282, 14.5239** is the 20% darker color. If you saturate the color by 10%, you get **19.5117, 29.1172, 34.0543**, and if you desaturate by 10%, it is **21.3633, 30.0418, 35.4941**.

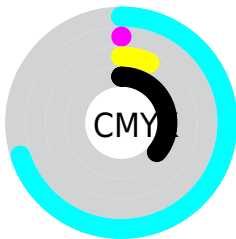
Distribution



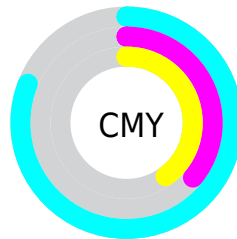
- Red (19%)
- Green (64%)
- Blue (60%)



- Red (19%)
- Yellow (43%)
- Blue (64%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)



- Cyan (81%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2919, 29.5038, 34.7623 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 20.2919, 29.5038, 34.7623 by changing the saturation by 10% instead.

■ 20.2919, 29.5038,
34.7623

■ 20.2919, 29.5038,
34.7623

246.2945,
299.5847, 338.3902

■ 12.7169, 19.4623,
23.1977

■ 43.4063, 58.8766,
68.2648

■ 7.3095, 12.0048,
14.5329

■ 59.6763, 78.9766,
91.0397

■ 3.7045, 6.7469,
8.3493

■ 79.5755, 103.1983,
118.3886

■ 1.5363, 3.3043,
4.2283

■ 103.4690,
131.9259, 150.7299

■ 0.3504, 1.2926,
1.7514

■ 131.7223,
165.5440, 188.4822

■ 0.0000, 0.1355,
0.3956

164.7008,

■ 0.0000, 0.0000,

204.4369, 232.0640

0.0000

202.7697,
248.9890, 281.8938

■ 20.2919, 29.5038,
34.7623

■ 20.2919, 29.5038,
34.7623

■ 19.5117, 29.1172,
34.0543

■ 21.3633, 30.0418,
35.4941

■ 18.9872, 28.8614,
33.3666

■ 22.7515, 30.7421,
36.2490

■ 18.6460, 28.6999,
32.7038

■ 24.4819, 31.6187,
37.0289

■ 26.5768, 32.6830,
37.8348

■ 29.0568, 33.9456,
38.6678

■ 31.9406, 35.4162,
39.5287

■ 35.2458, 37.1038,
40.4185

■ 38.9891, 39.0171,
41.3379

■ 43.1861, 41.1641,
42.2877

Harmonies

Analogous

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



20.8644, 29.5038, 23.0542



20.2919, 29.5038, 34.7623



21.6095, 29.5038, 48.9672

Triad

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



20.2919, 29.5038, 34.7623



33.4316, 29.5038, 56.6278



31.7152, 29.5038, 14.4022

Complementary

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



20.2919, 29.5038, 34.7623



17.2248, 10.4164, 5.3789

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.



35.6400, 29.5038, 19.6687



20.2919, 29.5038, 34.7623



36.7028, 29.5038, 43.3078

Square

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



20.2919, 29.5038, 34.7623



28.9490, 29.5038, 63.5838



37.5512, 29.5038, 29.6239



27.1551, 29.5038, 13.2536

Rectangle

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



20.2919, 29.5038, 34.7623



23.4749, 29.5038, 57.3208



37.5512, 29.5038, 29.6239



33.1671, 29.5038, 15.6650

Sweetspot

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



20.2928, 29.5049, 34.7630



52.1262, 61.3016, 69.9903



15.7247, 27.7502, 7.4341



11.1300, 13.2664, 15.2146



78.6606, 82.7571, 90.1225



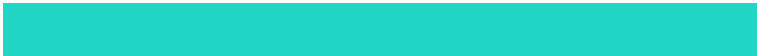
14.0027, 14.7319, 16.0430

Same Dimension

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



20.2928, 29.5049, 34.7630



34.8424, 52.5698, 61.1259



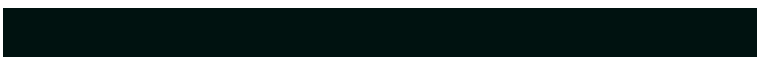
14.4470, 16.2915, 37.5063



7.2468, 7.9995, 8.9112



14.3059, 22.0087, 25.1252



0.3085, 0.4656, 0.5694

Inverse Universe

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



17.2248, 10.4164, 5.3789



28.9781, 15.7292, 4.6971



19.9576, 16.3000, 5.0009



7.1000, 7.0965, 7.5132



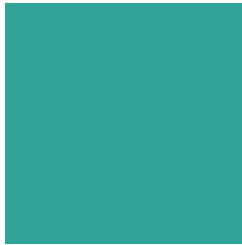
11.8175, 6.0830, 0.9634



0.2560, 0.1309, 0.0608

Previews

White Background



This preview shows how the XYZ color 20.2919, 29.5038, 34.7623 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 20.2919, 29.5038, 34.7623 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

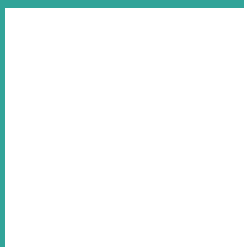
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2919, 29.5038, 34.7623

Background



This preview shows how black text looks on a background with the XYZ color 20.2919, 29.5038, 34.7623.

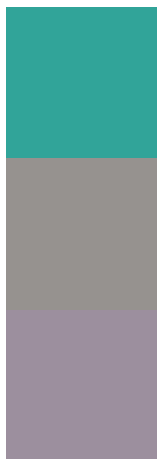


This preview shows how white text looks on a background with the XYZ color 20.2919, 29.5038,

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

20.2919, 29.5038, 34.7623

Protanopia

27.8145, 29.0250, 30.1230

Deuteranopia

29.7043, 29.1815, 36.4148



Tritanopia

22.2483, 29.5064, 44.5671

Trichromacy



Original Color

20.2919, 29.5038, 34.7623

Protanomaly

23.4677, 28.3998, 31.8486

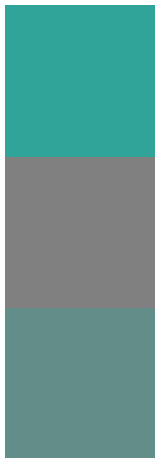
Deuteranomaly

24.4035, 28.3154, 35.6317

Tritanomaly

21.4342, 29.4346, 40.6281

Monochromacy



Original Color

20.2919, 29.5038, 34.7623

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.1858, 23.5085, 27.1933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2919, 29.5038, 34.7623 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(49, 164, 153)` looks like.

```
.text, #text, p{  
    color:rgb(49, 164, 153)  
}
```

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(49, 164, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 164, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.2919, 29.5038, 34.7623 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(49, 164, 153) }
```


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

```
.border{ border-color:rgb(49, 164, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 164, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 164, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 164, 153);  
box-shadow:4px 4px 4px 4px rgb(49, 164,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2919, 29.5038, 34.7623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 164, 153) }
```

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

```
.background{ background-color: rgb(49, 164,  
153) }
```

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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