

Converting Colors

XYZ(21.8868, 29.4068, 41.2488)

Have a look what the booklet for
XYZ(21.8868, 29.4068, 41.2488)
contains.

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Color

**XYZ(21.8343, 29.3697,
41.0774)**

Conversions

Conversions Part 1

Format	Color
Hex	40A1A7
RGB	64, 161, 167
RGB Percent	25%, 63%, 65%
CMY	0.7490, 0.3686, 0.3451
CMYK	0.62, 0.04, 0.00, 0.35
HSL	183°, 45%, 45%
HSV	183°, 62%, 65%
XYZ	21.8343, 29.3697, 41.0774
YIQ	132.6810, -59.7380, -18.6980

Conversions

Conversions Part 2

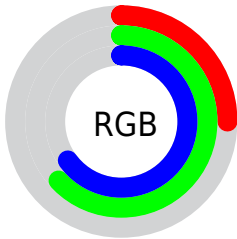
Format	Color
R_{YB}	64, 114, 167
Decimal	4235687
CIE _{Lab}	61.11, -26.13, -11.57
CIE _{LCh}	61, 28.581, 203.884
Yxy	29.3697, 0.2366, 0.3183
Android (android.graphics.Color)	4282425767 (0xFF40A1A7)
YUV	132.6810, 16.9193, -60.2332
Hunter-Lab	54.1938, -22.9228, -7.0045

Details

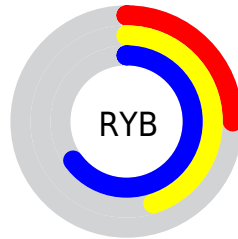
The XYZ color **21.8343, 29.3697, 41.0774** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.0527, 12.9668, 6.3501**, and the grayscale version is **22.1355, 23.2882, 25.3609**.

A 20% lighter version of the original color is **45.9091, 58.5966, 77.9979**, and **8.5632, 12.1751, 18.1184** is the 20% darker color. If you saturate the color by 10%, you get **20.7376, 28.5536, 40.9782**, and if you desaturate by 10%, it is **23.2593, 30.3583, 41.1936**.

Distribution



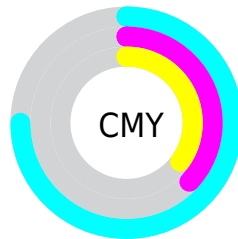
- Red (25%)
- Green (63%)
- Blue (65%)



- Red (25%)
- Yellow (45%)
- Blue (65%)



- Cyan (62%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)



- Cyan (75%)
- Magenta (37%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8343, 29.3697, 41.0774 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 21.8343, 29.3697, 41.0774 by changing the saturation by 10% instead.

■ 21.8343, 29.3697,
41.0774

■ 21.8343, 29.3697,
41.0774

254.3284,
298.9553, 366.3302

■ 13.8511, 19.3607,
28.0594

■ 45.9529, 58.6640,
78.0563

■ 8.0982, 11.9312,
18.1310

■ 62.8190, 78.7180,
102.8543

■ 4.2102, 6.6968,
10.8737

■ 83.3768, 102.8891,
132.4161

■ 1.8217, 3.2732,
5.8689

■ 107.9916,
131.5617, 167.1602

■ 0.5307, 1.2760,
2.6980

■ 137.0288,
165.1203, 207.5051

■ 0.0000, 0.1225,
0.9424

170.8538,

■ 0.0000, 0.0000,

203.9491, 253.8694

0.0000

209.8318,
248.4327, 306.6716

■ 21.8343, 29.3697,
41.0774

■ 21.8343, 29.3697,
41.0774

■ 20.7376, 28.5536,
40.9782

■ 23.2593, 30.3583,
41.1936

■ 19.9364, 27.8911,
40.8926

■ 25.0363, 31.5297,
41.3261

■ 19.3960, 27.3651,
40.8195

■ 27.1897, 32.8971,
41.4765

■ 19.0786, 26.9969,
40.7652

■ 29.7412, 34.4717,
41.6460

■ 32.7107, 36.2637,
41.8354

■ 36.1169, 38.2829,
42.0456

■ 39.9772, 40.5382,
42.2774

■ 44.3083, 43.0381,
42.5317

■ 49.1256, 45.7908,
42.8091

Harmonies

Analogous

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



21.3492, 29.3697, 29.8312



21.8343, 29.3697, 41.0774



23.8818, 29.3697, 51.7011

Triad

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



21.8343, 29.3697, 41.0774



34.1462, 29.3697, 45.7409



28.6893, 29.3697, 15.5425

Complementary

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



21.8343, 29.3697, 41.0774



19.0527, 12.9668, 6.3501

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.



32.3786, 29.3697, 18.0433



21.8343, 29.3697, 41.0774



35.7054, 29.3697, 34.2267

Square

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



21.8343, 29.3697, 41.0774



30.9336, 29.3697, 54.7874



35.0313, 29.3697, 24.3336



25.0995, 29.3697, 16.5841

Rectangle

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



21.8343, 29.3697, 41.0774



25.9633, 29.3697, 56.1672



35.0313, 29.3697, 24.3336



29.9621, 29.3697, 15.9749

Sweetspot

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



21.8352, 29.3708, 41.0781



54.4343, 62.4477, 74.6599



17.0127, 29.1597, 10.3874



11.8719, 13.7863, 16.6874



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.8352, 29.3708, 41.0781



36.5544, 50.6713, 73.3292



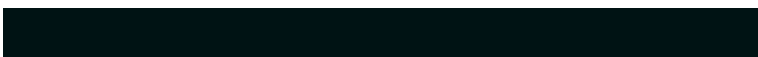
14.7041, 15.1087, 38.7011



7.7096, 8.4561, 9.6442



14.6114, 20.6830, 31.1976



0.3663, 0.5249, 0.7627

Inverse Universe

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



24.2036, 14.4564, 35.2340



41.2849, 22.1013, 61.3833



23.6575, 22.1765, 7.8850



7.8228, 7.6590, 9.3839



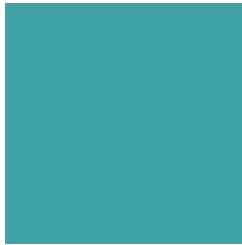
16.8758, 8.1590, 25.2211



0.4161, 0.2007, 0.6424

Previews

White Background



This preview shows how the XYZ color 21.8343, 29.3697, 41.0774 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 21.8343, 29.3697, 41.0774 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 21.8343, 29.3697, 41.0774

Background



This preview shows how black text looks on a background with the XYZ color 21.8343, 29.3697, 41.0774.

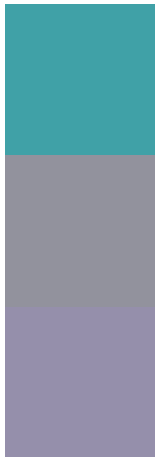


This preview shows how white text looks on a background with the XYZ color 21.8343, 29.3697,

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

21.8343, 29.3697, 41.0774

Protanopia

28.2187, 29.1031, 36.0285

Deuteranopia

29.5676, 28.9748, 42.5624



Tritanopia

22.4284, 29.3520, 44.0186

Trichromacy



Original Color

21.8343, 29.3697, 41.0774

Protanomaly

24.7021, 28.4194, 37.9018

Deuteranomaly

25.6333, 28.5665, 42.1931

Tritanomaly

22.1683, 29.2401, 43.0036

Monochromacy



Original Color

21.8343, 29.3697, 41.0774

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1176, 24.8774, 30.4769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8343, 29.3697, 41.0774 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(64, 161, 167)` looks like.

```
.text, #text, p{  
    color:rgb(64, 161, 167)  
}
```

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(64, 161, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 161, 167) }
```

Border

The CSS property to change the border of an element to XYZ 21.8343, 29.3697, 41.0774 is called "border". The border property can be set on classes, ids or directly on the HTML element.

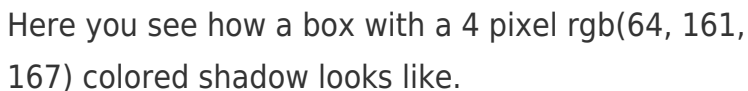
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 161, 167) }
```


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

```
.border{ border-color:rgb(64, 161, 167) }
```

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



Here you see how a box with a 4 pixel `rgb(64, 161, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(64, 161, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(64, 161, 167); box-shadow:4px 4px 4px 4px rgb(64, 161, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8343, 29.3697, 41.0774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 161, 167) }
```

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

```
.background{ background-color: rgb(64, 161,  
167) }
```

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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