

Converting Colors

XYZ(18.6156, 28.1463, 48.3147)

Have a look what the booklet for
XYZ(18.6156, 28.1463, 48.3147)
contains.

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Color

**XYZ(21.4377, 29.5306,
48.2861)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3B5
RGB	0, 163, 181
RGB Percent	0%, 64%, 71%
CMY	0.9999, 0.3608, 0.2902
CMYK	1.00, 0.10, 0.00, 0.29
HSL	186°, 100%, 35%
HSV	186°, 100%, 71%
XYZ	21.4377, 29.5306, 48.2861
YIQ	116.3150, -102.9260, -28.9580

Conversions

Conversions Part 2

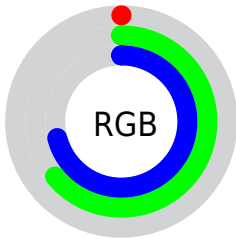
Format	Color
RYB	0, 86, 181
Decimal	41909
CIELab	61.25, -28.60, -19.33
CIELCh	61, 34.525, 214.052
Yxy	29.5306, 0.2160, 0.2975
Android (android.graphics.Color)	4278231989 (0xFF00A3B5)
YUV	116.3150, 31.8897, -102.0083
Hunter-Lab	54.3421, -24.6812, -14.6432

Details

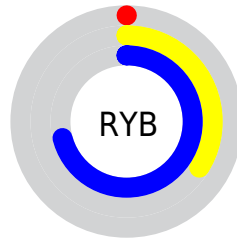
The XYZ color **21.4377, 29.5306, 48.2861** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.2734, 10.2577, 0.9652**, and the grayscale version is **16.6286, 17.4946, 19.0516**.

A 20% lighter version of the original color is **45.2872, 58.7986, 89.0831**, and **9.5807, 12.9274, 22.4124** is the 20% darker color. If you saturate the color by 10%, you get **21.4375, 29.5301, 48.2866**, and if you desaturate by 10%, it is **22.0121, 30.3052, 48.4059**.

Distribution



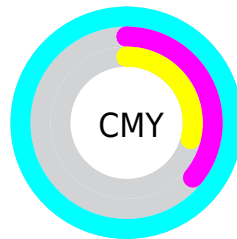
- Red (0%)
- Green (64%)
- Blue (71%)



- Red (0%)
- Yellow (34%)
- Blue (71%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4377, 29.5306, 48.2861 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 21.4377, 29.5306, 48.2861 by changing the saturation by 10% instead.

■ 21.4377, 29.5306,
48.2861

■ 21.4377, 29.5306,
48.2861

■ 252.2835,
299.7103, 396.4664

■ 13.5586, 19.4826,
33.6919

■ 45.3007, 58.9191,
89.0002

■ 7.8940, 12.0195,
22.3816

■ 62.0152, 79.0283,
115.9572

■ 4.0784, 6.7570,
13.9366

■ 82.4057, 103.2600,
147.8722

■ 1.7466, 3.3106,
7.9383

■ 106.8374,
131.9987, 185.1638

■ 0.4852, 1.2959,
3.9683

■ 135.6756,
165.6286, 228.2504

■ 0.0000, 0.1381,
1.6080

■ 169.2858,

■ 0.0000, 0.0000,

204.5343, 277.5507

0.2965

208.0333,
249.1000, 333.4832

■ 0.0000, 0.0000,
0.0000

■ 21.4377, 29.5306,
48.2861

■ 21.4377, 29.5306,
48.2861

■ 21.4375, 29.5301,
48.2866

■ 22.0121, 30.3052,
48.4059

■ 22.8225, 31.2077,
48.5374

■ 23.9572, 32.2842,
48.6854

■ 25.4587, 33.5565,
48.8518

■ 27.3627, 35.0433,
49.0384

■ 29.7009, 36.7608,
49.2467

■ 32.5017, 38.7237,
49.4780

■ 35.7912, 40.9454,
49.7334

■ 39.5932, 43.4384,
50.0142

Harmonies

Analogous

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



20.2285, 29.5306, 33.9534



21.4377, 29.5306, 48.2861



24.4184, 29.5306, 60.2864

Triad

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



21.4377, 29.5306, 48.2861



36.6736, 29.5306, 44.3827



27.4555, 29.5306, 13.1049

Complementary

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



21.4377, 29.5306, 48.2861



19.2734, 10.2577, 0.9652

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.



32.0642, 29.5306, 14.5031



21.4377, 29.5306, 48.2861



37.7090, 29.5306, 30.4189

Square

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



21.4377, 29.5306, 48.2861



33.2463, 29.5306, 57.6393



35.9411, 29.5306, 20.0862



23.4574, 29.5306, 15.5674

Rectangle

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



21.4377, 29.5306, 48.2861



27.1729, 29.5306, 63.9877



35.9411, 29.5306, 20.0862



28.9824, 29.5306, 13.1445

Sweetspot

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



21.4386, 29.5317, 48.2868



57.9264, 69.1580, 88.5904



16.6116, 33.0832, 5.9665



12.0521, 14.6228, 19.1095



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.4386, 29.5317, 48.2868



38.2982, 52.6962, 86.4475



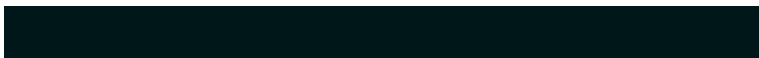
10.8870, 8.4283, 44.7696



8.6690, 9.4842, 10.8801



14.8071, 20.4145, 33.2970



0.4866, 0.6837, 1.0546

Inverse Universe

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



25.6677, 12.4691, 35.7053



45.9204, 22.3107, 63.6896



24.1693, 20.0496, 2.5972



8.8129, 8.6319, 10.5130



17.7086, 8.6010, 24.6891



0.5676, 0.2748, 0.8318

Previews

White Background



This preview shows how the XYZ color 21.4377, 29.5306, 48.2861 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 21.4377, 29.5306, 48.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

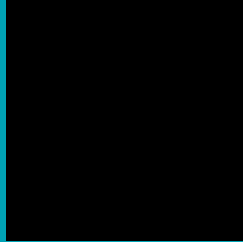
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4377, 29.5306, 48.2861

Background



This preview shows how black text looks on a background with the XYZ color 21.4377, 29.5306, 48.2861.

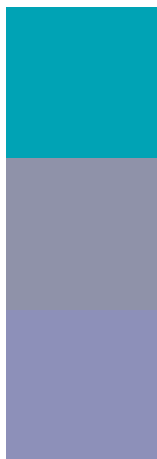


This preview shows how white text looks on a background with the XYZ color 21.4377, 29.5306,

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

21.4377, 29.5306, 48.2861

Protanopia

28.7680, 29.2620, 41.6680

Deuteranopia

29.7147, 29.1120, 49.9520



Tritanopia

21.0330, 29.3687, 46.1551

Trichromacy



Original Color

21.4377, 29.5306, 48.2861



Protanomaly

23.0854, 27.6977, 43.6646



Deuteranomaly

23.9348, 27.7676, 49.4456



Tritanomaly

21.1331, 29.4087, 46.6821

Monochromacy



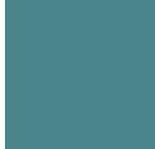
Original Color

21.4377, 29.5306, 48.2861



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.9452, 20.1244, 27.8549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4377, 29.5306, 48.2861 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, 163, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 181)  
}
```

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, 163, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 181) }
```

Border

The CSS property to change the border of an element to XYZ 21.4377, 29.5306, 48.2861 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, 163, 181) }
```


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

```
.border{ border-color:rgb(0, 163, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4377, 29.5306, 48.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 181) }
```

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

```
.background{ background-color: rgb(0, 163,  
181) }
```

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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