

Converting Colors

XYZ(21.1390, 30.6666, 38.5874)

Have a look what the booklet for
XYZ(21.1390, 30.6666, 38.5874)
contains.

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Color

**XYZ(21.1268, 30.6618,
38.5230)**

Conversions

Conversions Part 1

Format	Color
Hex	28A7A1
RGB	40, 167, 161
RGB Percent	16%, 65%, 63%
CMY	0.8431, 0.3451, 0.3686
CMYK	0.76, 0.00, 0.04, 0.35
HSL	177°, 61%, 41%
HSV	177°, 76%, 65%
XYZ	21.1268, 30.6618, 38.5230
YIQ	128.3430, -73.7660, -28.7900

Conversions

Conversions Part 2

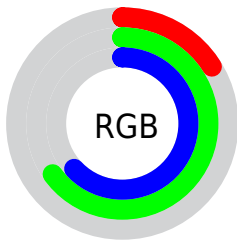
Format	Color
RYB	40, 105, 167
Decimal	2664353
CIELab	62.22, -34.28, -6.59
CIELCh	62, 34.909, 190.882
Yxy	30.6618, 0.2339, 0.3395
Android (android.graphics.Color)	4280854433 (0xFF28A7A1)
YUV	128.3430, 16.0999, -77.4768
Hunter-Lab	55.3731, -28.7988, -2.4868

Details

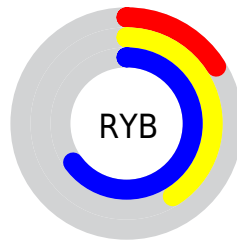
The XYZ color **21.1268, 30.6618, 38.5230** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.1893, 9.9312, 3.5967**, and the grayscale version is **20.6023, 21.6752, 23.6043**.

A 20% lighter version of the original color is **44.9667, 60.9214, 74.3548**, and **8.8318, 13.1604, 16.8266** is the 20% darker color. If you saturate the color by 10%, you get **20.5434, 30.3697, 38.1342**, and if you desaturate by 10%, it is **21.9929, 31.1009, 38.9287**.

Distribution



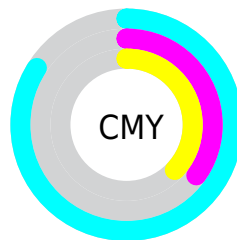
- Red (16%)
- Green (65%)
- Blue (63%)



- Red (16%)
- Yellow (41%)
- Blue (65%)



- Cyan (76%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)



- Cyan (84%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1268, 30.6618, 38.5230 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 21.1268, 30.6618, 38.5230 by changing the saturation by 10% instead.

■ 21.1268, 30.6618,
38.5230

■ 21.1268, 30.6618,
38.5230

250.6706,
304.9772, 355.2234

■ 13.3297, 20.3415,
26.0839

■ 44.7882, 60.7072,
74.1213

■ 7.7345, 12.6435,
16.6601

■ 61.3831, 81.2011,
98.1177

■ 3.9759, 7.1835,
9.8330

■ 81.6414, 105.8549,
126.8034

■ 1.6885, 3.5771,
5.1842

■ 105.9285,
135.0531, 160.5972

■ 0.4491, 1.4400,
2.2951

■ 134.6095,
169.1800, 199.9176

■ 0.0000, 0.2459,
0.7285

168.0500,

■ 0.0000, 0.0000,

208.6201, 245.1831

0.0000

206.6152,
253.7577, 296.8122

■ 21.1268, 30.6618,
38.5230

■ 21.1268, 30.6618,
38.5230

■ 20.5434, 30.3697,
38.1342

■ 21.9929, 31.1009,
38.9287

■ 20.1967, 30.1990,
37.7580

■ 23.1711, 31.7002,
39.3507

■ 20.0868, 30.1455,
37.6111

■ 24.6902, 32.4751,
39.7909

■ 26.5748, 33.4384,
40.2505

■ 28.8473, 34.6017,
40.7305

■ 31.5285, 35.9756,
41.2321

■ 34.6375, 37.5700,
41.7559

■ 38.1922, 39.3940,
42.3029

■ 42.2096, 41.4566,
42.8740

Harmonies

Analogous

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



21.3995, 30.6618, 25.5942



21.1268, 30.6618, 38.5230



22.8208, 30.6618, 53.3907

Triad

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



21.1268, 30.6618, 38.5230



35.4785, 30.6618, 57.0726



32.2095, 30.6618, 14.3926

Complementary

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



21.1268, 30.6618, 38.5230



17.1893, 9.9312, 3.5967

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.



36.5369, 30.6618, 19.1296



21.1268, 30.6618, 38.5230



38.5602, 30.6618, 42.6164

Square

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



21.1268, 30.6618, 38.5230



30.8857, 30.6618, 65.8643



38.9672, 30.6618, 28.7263



27.4673, 30.6618, 13.8496

Rectangle

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



21.1268, 30.6618, 38.5230



24.9564, 30.6618, 61.5420



38.9672, 30.6618, 28.7263



33.7737, 30.6618, 15.4723

Sweetspot

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



21.1277, 30.6630, 38.5237



52.8512, 62.5765, 73.1754



15.3452, 28.3809, 6.6774



11.4757, 13.8235, 16.3063



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.



21.1277, 30.6630, 38.5237



36.3420, 54.1665, 67.8463



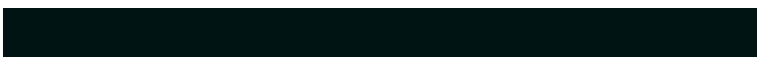
13.4110, 14.3620, 38.6259



7.7320, 8.5258, 9.5749



15.3753, 23.0689, 28.8068



0.3786, 0.5631, 0.7245

Inverse Universe

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



17.1893, 9.9312, 3.5967



29.0022, 15.2844, 2.5729



20.6091, 16.9472, 4.1931



7.5449, 7.5478, 7.9209



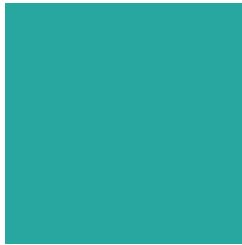
12.2330, 6.3019, 0.7724



0.3020, 0.1551, 0.0417

Previews

White Background



This preview shows how the XYZ color 21.1268, 30.6618, 38.5230 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.1268, 30.6618, 38.5230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

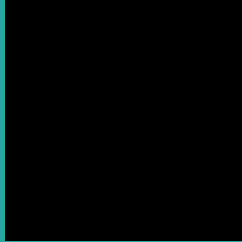
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.1268, 30.6618, 38.5230

Background



This preview shows how black text looks on a background with the XYZ color 21.1268, 30.6618, 38.5230.

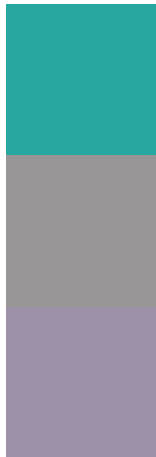


This preview shows how white text looks on a background with the XYZ color 21.1268, 30.6618,

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

21.1268, 30.6618, 38.5230

Protanopia

29.2014, 30.3723, 33.1775

Deuteranopia

30.7186, 30.0719, 40.2618



Tritanopia

22.7275, 30.4953, 46.8078

Trichromacy



Original Color

21.1268, 30.6618, 38.5230

Protanomaly

24.2767, 29.4895, 34.9844

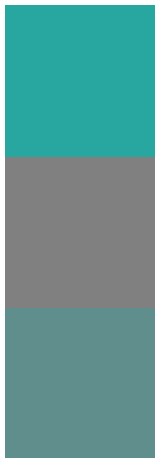
Deuteranomaly

25.0315, 29.0402, 39.4080

Tritanomaly

22.1205, 30.5172, 43.7543

Monochromacy



Original Color

21.1268, 30.6618, 38.5230

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.2305, 23.7262, 28.3770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1268, 30.6618, 38.5230 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(40, 167, 161)` looks like.

```
.text, #text, p{  
    color:rgb(40, 167, 161)  
}
```

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(40, 167, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 167, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.1268, 30.6618, 38.5230 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(40, 167, 161) }
```


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

```
.border{ border-color:rgb(40, 167, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 167, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 167, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 167, 161);  
box-shadow:4px 4px 4px 4px rgb(40, 167,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1268, 30.6618, 38.5230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 167, 161) }
```

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

```
.background{ background-color: rgb(40, 167,  
161) }
```

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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