

Converting Colors

XYZ(21.3337, 28.9697, 42.6001)

Have a look what the booklet for
XYZ(21.3337, 28.9697, 42.6001)
contains.

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Color

**XYZ(21.3658, 29.0958,
42.5202)**

Conversions

Conversions Part 1

Format	Color
Hex	33A1AA
RGB	51, 161, 170
RGB Percent	20%, 63%, 67%
CMY	0.8000, 0.3686, 0.3333
CMYK	0.70, 0.05, 0.00, 0.33
HSL	185°, 54%, 43%
HSV	185°, 70%, 67%
XYZ	21.3658, 29.0958, 42.5202
YIQ	129.1360, -68.4490, -20.5210

Conversions

Conversions Part 2

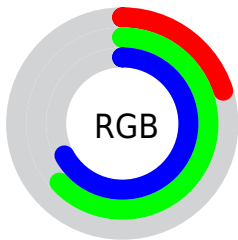
Format	Color
RYB	51, 108, 170
Decimal	3383722
CIELab	60.87, -27.30, -13.66
CIELCh	61, 30.529, 206.578
Yxy	29.0958, 0.2298, 0.3129
Android (android.graphics.Color)	4281573802 (0xFF33A1AA)
YUV	129.1360, 20.1460, -68.5253
Hunter-Lab	53.9405, -23.6922, -8.9787

Details

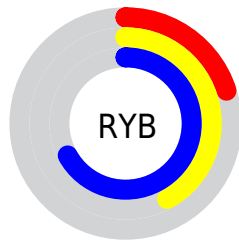
The XYZ color **21.3658, 29.0958, 42.5202** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.7917, 12.0176, 4.4620**, and the grayscale version is **20.8638, 21.9503, 23.9039**.

A 20% lighter version of the original color is **45.0859, 58.1254, 80.0772**, and **8.7387, 12.2453, 19.0425** is the 20% darker color. If you saturate the color by 10%, you get **20.4375, 28.2860, 42.4134**, and if you desaturate by 10%, it is **22.6113, 30.0738, 42.6439**.

Distribution



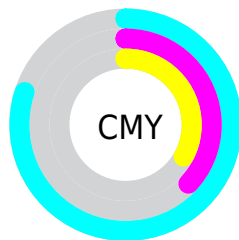
- Red (20%)
- Green (63%)
- Blue (67%)



- Red (20%)
- Yellow (42%)
- Blue (67%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3658, 29.0958, 42.5202 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 21.3658, 29.0958, 42.5202 by changing the saturation by 10% instead.

■ 21.3658, 29.0958,
42.5202

■ 21.3658, 29.0958,
42.5202

251.9113,
297.6667, 372.4979

■ 13.5056, 19.1533,
29.1802

■ 45.1822, 58.2293,
80.2649

■ 7.8570, 11.7811,
18.9705

■ 61.8692, 78.1890,
105.5067

■ 4.0546, 6.5948,
11.4723

■ 82.2292, 102.2566,
135.5529

■ 1.7331, 3.2100,
6.2673

■ 106.6275,
130.8165, 170.8219

■ 0.4768, 1.2423,
2.9369

■ 135.4295,
164.2531, 211.7324

■ 0.0000, 0.0959,
1.0625

169.0006,

■ 0.0000, 0.0000,

202.9507, 258.7029

0.0000

207.7060,
247.2938, 312.1519

■ 21.3658, 29.0958,
42.5202

■ 21.3658, 29.0958,
42.5202

■ 20.4375, 28.2860,
42.4134

■ 22.6113, 30.0738,
42.6439

■ 19.7876, 27.6226,
42.3196

■ 24.2021, 31.2325,
42.7837

■ 19.3375, 27.0656,
42.2358

■ 26.1659, 32.5871,
42.9416

■ 19.3373, 27.0654,
42.2357

■ 28.5272, 34.1499,
43.1188

■ 31.3081, 35.9326,
43.3164

■ 34.5294, 37.9458,
43.5352

■ 38.2102, 40.1994,
43.7761

■ 42.3686, 42.7026,
44.0402

■ 47.0218, 45.4645,
44.3280

Harmonies

Analogous

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



20.7041, 29.0958, 30.3914



21.3658, 29.0958, 42.5202



23.6541, 29.0958, 53.6921

Triad

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



21.3658, 29.0958, 42.5202



34.5385, 29.0958, 45.3343



28.1135, 29.0958, 14.4660

Complementary

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



21.3658, 29.0958, 42.5202



18.7917, 12.0176, 4.4620

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.



32.0827, 29.0958, 16.6953



21.3658, 29.0958, 42.5202



36.0091, 29.0958, 33.0053

Square

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



21.3658, 29.0958, 42.5202



31.2180, 29.0958, 55.5713



35.0704, 29.0958, 22.8597



24.3734, 29.0958, 15.8571

Rectangle

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



21.3658, 29.0958, 42.5202



25.9179, 29.0958, 58.1041



35.0704, 29.0958, 22.8597



29.4674, 29.0958, 14.8000

Sweetspot

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



21.3667, 29.0969, 42.5209



56.0589, 64.7226, 78.5400



16.5284, 29.7690, 9.0044



12.1898, 14.2349, 17.4928



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.



21.3667, 29.0969, 42.5209



36.3715, 50.6254, 76.8566



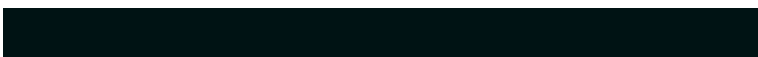
13.4291, 13.2218, 39.8750



7.6983, 8.4335, 9.6404



14.2426, 19.9454, 31.0747



0.3603, 0.5129, 0.7606

Inverse Universe

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



24.1952, 13.4878, 35.0475



42.0493, 21.2795, 61.4091



23.7056, 21.8453, 6.1000



7.8171, 7.6567, 9.3539



16.6896, 8.0846, 24.2408



0.4130, 0.1995, 0.6265

Previews

White Background



This preview shows how the XYZ color 21.3658, 29.0958, 42.5202 looks on a white background.

Color Contrast Check

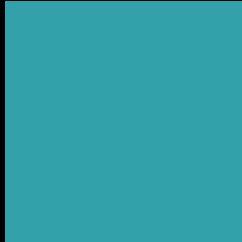
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3658, 29.0958, 42.5202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

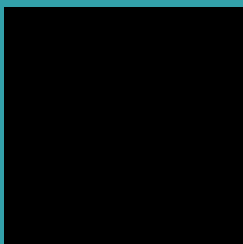
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

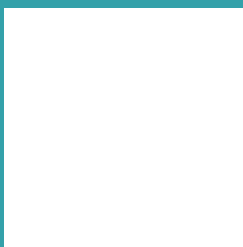
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3658, 29.0958, 42.5202

Background



This preview shows how black text looks on a background with the XYZ color 21.3658, 29.0958, 42.5202.

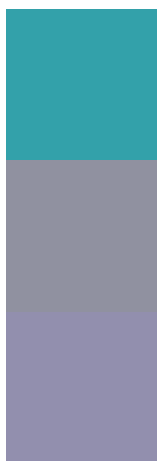


This preview shows how white text looks on a background with the XYZ color 21.3658, 29.0958,

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

21.3658, 29.0958, 42.5202

Protanopia

27.9722, 28.7182, 37.3266

Deuteranopia

29.3165, 28.8119, 44.0605



Tritanopia

21.5818, 28.9156, 43.9790

Trichromacy



Original Color

21.3658, 29.0958, 42.5202

Protanomaly

24.1979, 28.1286, 39.2759

Deuteranomaly

25.0047, 28.2093, 43.6622

Tritanomaly

21.4334, 28.8502, 43.4687

Monochromacy



Original Color

21.3658, 29.0958, 42.5202

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9257, 23.8301, 29.9350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3658, 29.0958, 42.5202 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(51, 161, 170)` looks like.

```
.text, #text, p{  
    color:rgb(51, 161, 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(51, 161, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 161, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.3658, 29.0958, 42.5202 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(51, 161, 170) }
```


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

```
.border{ border-color:rgb(51, 161, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 161, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 161, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 161, 170); box-shadow:4px 4px 4px 4px rgb(51, 161, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3658, 29.0958, 42.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 161, 170) }
```

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

```
.background{ background-color: rgb(51, 161,  
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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