

Converting Colors

XYZ(21.1532, 28.9955, 38.0399)

Have a look what the booklet for
XYZ(21.1532, 28.9955, 38.0399)
contains.

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Color

**XYZ(21.2278, 29.1197,
38.2201)**

Conversions

Conversions Part 1

Format	Color
Hex	3FA1A1
RGB	63, 161, 161
RGB Percent	25%, 63%, 63%
CMY	0.7529, 0.3686, 0.3686
CMYK	0.61, 0.00, 0.00, 0.37
HSL	180°, 44%, 44%
HSV	180°, 61%, 63%
XYZ	21.2278, 29.1197, 38.2201
YIQ	131.6980, -58.4080, -20.7760

Conversions

Conversions Part 2

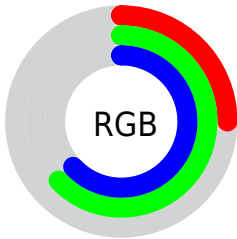
Format	Color
RYB	63, 112, 161
Decimal	4170145
CIELab	60.89, -28.05, -8.52
CIELCh	61, 29.315, 196.894
Yxy	29.1197, 0.2397, 0.3288
Android (android.graphics.Color)	4282360225 (0xFF3FA1A1)
YUV	131.6980, 14.4459, -60.2481
Hunter-Lab	53.9627, -24.2165, -4.2194

Details

The XYZ color **21.2278, 29.1197, 38.2201** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.3736, 11.4919, 6.0060**, and the grayscale version is **21.7891, 22.9238, 24.9640**.

A 20% lighter version of the original color is **44.9766, 58.2072, 73.8303**, and **8.2831, 12.0631, 16.6437** is the 20% darker color. If you saturate the color by 10%, you get **20.3463, 28.6659, 38.1794**, and if you desaturate by 10%, it is **22.4117, 29.7307, 38.2763**.

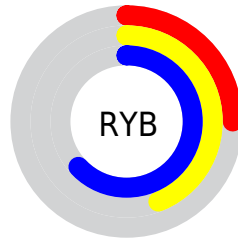
Distribution



Red (25%)

Green (63%)

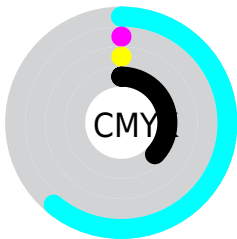
Blue (63%)



Red (25%)

Yellow (44%)

Blue (63%)

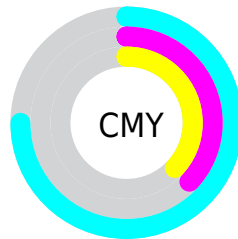


Cyan (61%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (75%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2278, 29.1197, 38.2201 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 21.2278, 29.1197, 38.2201 by changing the saturation by 10% instead.

■ 21.2278, 29.1197,
38.2201

■ 21.2278, 29.1197,
38.2201

251.1955,
297.7793, 353.8897

■ 13.4040, 19.1714,
25.8504

■ 44.9548, 58.2672,
73.6525

■ 7.7863, 11.7942,
16.4870

■ 61.5887, 78.2352,
97.5523

■ 4.0091, 6.6037,
9.7113

■ 81.8900, 102.3119,
126.1326

■ 1.7073, 3.2155,
5.1049

■ 106.2241,
130.8816, 159.8119

■ 0.4608, 1.2453,
2.2491

■ 134.9564,
164.3289, 199.0087

■ 0.0000, 0.0982,
0.7025

168.4521,

■ 0.0000, 0.0000,

203.0380, 244.1415

0.0000

207.0767,
247.3933, 295.6290

■ 21.2278, 29.1197,
38.2201

■ 21.2278, 29.1197,
38.2201

■ 20.3463, 28.6659,
38.1794

■ 22.4117, 29.7307,
38.2763

■ 19.7376, 28.3521,
38.1508

■ 23.9192, 30.5078,
38.3469

■ 19.3706, 28.1629,
38.1335

■ 25.7726, 31.4633,
38.4337

■ 19.1784, 28.0638,
38.1245

■ 27.9915, 32.6072,
38.5377

■ 30.5941, 33.9489,
38.6596

■ 33.5973, 35.4970,
38.8002

■ 37.0169, 37.2599,
38.9604

■ 40.8680, 39.2453,
39.1407

■ 45.1650, 41.4604,
39.3419

Harmonies

Analogous

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



21.1227, 29.1197, 27.1719



21.2278, 29.1197, 38.2201



22.9557, 29.1197, 49.6760

Triad

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



21.2278, 29.1197, 38.2201



33.3933, 29.1197, 48.3618



29.3765, 29.1197, 15.3155

Complementary

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



21.2278, 29.1197, 38.2201



17.3736, 11.4919, 6.0060

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.



33.0058, 29.1197, 18.6955



21.2278, 29.1197, 38.2201



35.4646, 29.1197, 36.7193

Square

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



21.2278, 29.1197, 38.2201



29.8670, 29.1197, 56.3920



35.3166, 29.1197, 25.9783



25.5975, 29.1197, 15.5381

Rectangle

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



21.2278, 29.1197, 38.2201



24.8940, 29.1197, 55.2552



35.3166, 29.1197, 25.9783



30.6609, 29.1197, 16.0278

Sweetspot

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



21.2287, 29.1208, 38.2208



51.2414, 58.9683, 69.0675



15.7988, 26.9611, 9.0747



10.9732, 12.7961, 15.1351



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.2287, 29.1208, 38.2208



36.0023, 51.1123, 68.3534



14.4599, 15.5832, 35.9651



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4479



0.3218, 0.4709, 0.6398

Inverse Universe

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



17.3736, 11.4919, 6.0060



28.4843, 16.7328, 5.5290



21.2118, 19.1683, 7.2853



7.0738, 7.0860, 7.3750



11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 21.2278, 29.1197, 38.2201 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 21.2278, 29.1197, 38.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

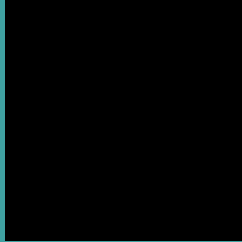
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2278, 29.1197, 38.2201

Background



This preview shows how black text looks on a background with the XYZ color 21.2278, 29.1197, 38.2201.

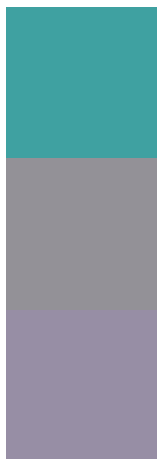


This preview shows how white text looks on a background with the XYZ color 21.2278, 29.1197,

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

21.2278, 29.1197, 38.2201

Protanopia

27.7439, 28.6882, 33.3533

Deuteranopia

29.2270, 28.6419, 39.5853



Tritanopia

22.2284, 29.0038, 43.4565

Trichromacy



Original Color

21.2278, 29.1197, 38.2201

Protanomaly

24.1855, 28.2128, 35.1812

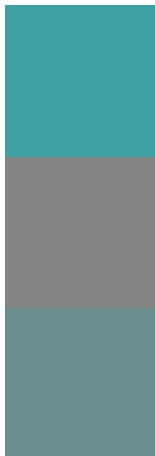
Deuteranomaly

25.0560, 28.0972, 39.2247

Tritanomaly

21.8855, 29.1270, 41.5144

Monochromacy



Original Color

21.2278, 29.1197, 38.2201

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.8438, 24.7539, 29.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2278, 29.1197, 38.2201 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(63, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(63, 161, 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(63, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 161, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.2278, 29.1197, 38.2201 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(63, 161, 161) }
```


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

```
.border{ border-color:rgb(63, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(63, 161,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2278, 29.1197, 38.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 161, 161) }
```

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

```
.background{ background-color: rgb(63, 161,  
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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