

Converting Colors

XYZ(21.0551, 28.5947, 40.9694)

Have a look what the booklet for
XYZ(21.0551, 28.5947, 40.9694)
contains.

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Color

**XYZ(21.1214, 28.7439,
40.9941)**

Conversions

Conversions Part 1

Format	Color
Hex	37A0A7
RGB	55, 160, 167
RGB Percent	22%, 63%, 65%
CMY	0.7843, 0.3725, 0.3451
CMYK	0.67, 0.04, 0.00, 0.35
HSL	184°, 50%, 44%
HSV	184°, 67%, 65%
XYZ	21.1214, 28.7439, 40.9941
YIQ	129.4030, -64.8270, -20.0830

Conversions

Conversions Part 2

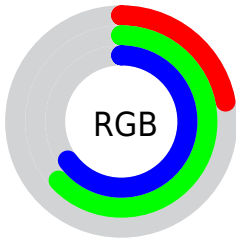
Format	Color
RYB	55, 109, 167
Decimal	3645607
CIELab	60.55, -27.13, -12.43
CIElCh	61, 29.836, 204.611
Yxy	28.7439, 0.2325, 0.3164
Android (android.graphics.Color)	4281835687 (0xFF37A0A7)
YUV	129.4030, 18.5353, -65.2514
Hunter-Lab	53.6133, -23.5018, -7.8053

Details

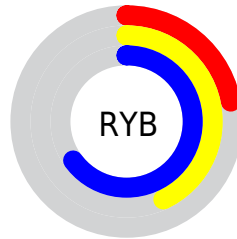
The XYZ color **21.1214, 28.7439, 40.9941** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.3492, 11.9372, 4.9522**, and the grayscale version is **20.9618, 22.0535, 24.0162**.

A 20% lighter version of the original color is **44.6877, 57.5878, 77.8675**, and **8.4571, 11.9629, 18.0830** is the 20% darker color. If you saturate the color by 10%, you get **20.1769, 27.9902, 40.8989**, and if you desaturate by 10%, it is **22.3787, 29.6624, 41.1056**.

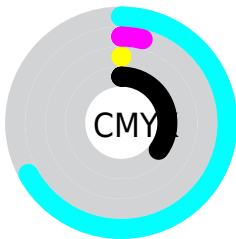
Distribution



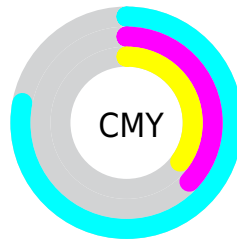
- Red (22%)
- Green (63%)
- Blue (65%)



- Red (22%)
- Yellow (43%)
- Blue (65%)



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)



- Cyan (78%)
- Magenta (37%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1214, 28.7439, 40.9941 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 21.1214, 28.7439, 40.9941 by changing the saturation by 10% instead.

■ 21.1214, 28.7439,
40.9941

■ 21.1214, 28.7439,
40.9941

250.6425,
296.0047, 365.9719

■ 13.3257, 18.8872,
27.9948

■ 44.7792, 57.6699,
77.9285

■ 7.7318, 11.5888,
18.0827

■ 61.3721, 77.5080,
102.7007

■ 3.9742, 6.4643,
10.8393

■ 81.6282, 101.4421,
132.2343

■ 1.6875, 3.1294,
5.8461

■ 105.9126,
129.8564, 166.9478

■ 0.4484, 1.1997,
2.6845

■ 134.5910,
163.1354, 207.2598

■ 0.0000, 0.0614,
0.9356

168.0285,

■ 0.0000, 0.0000,

201.6636, 253.5887

0.0000

206.5905,
245.8252, 306.3533

■ 21.1214, 28.7439,
40.9941

■ 21.1214, 28.7439,
40.9941

■ 20.1769, 27.9902,
40.8989

■ 22.3787, 29.6624,
41.1056

■ 19.5099, 27.3811,
40.8165

■ 23.9744, 30.7569,
41.2328

■ 19.0719, 26.8923,
40.7453

■ 25.9342, 32.0415,
41.3775

■ 18.9587, 26.7572,
40.7251

■ 28.2809, 33.5278,
41.5407

■ 31.0353, 35.2265,
41.7234

■ 34.2167, 37.1476,
41.9265

■ 37.8431, 39.3004,
42.1509

■ 41.9315, 41.6937,
42.3974

■ 46.4982, 44.3359,
42.6667

Harmonies

Analogous

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



20.5865, 28.7439, 29.3460



21.1214, 28.7439, 40.9941



23.2493, 28.7439, 51.9839

Triad

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



21.1214, 28.7439, 40.9941



33.8180, 28.7439, 45.2676



28.0221, 28.7439, 14.5658

Complementary

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



21.1214, 28.7439, 40.9941



18.3492, 11.9372, 4.9522

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.



31.8406, 28.7439, 16.9875



21.1214, 28.7439, 40.9941



35.3822, 28.7439, 33.3331

Square

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



21.1214, 28.7439, 40.9941



30.5241, 28.7439, 54.8300



34.6267, 28.7439, 23.2644



24.3487, 28.7439, 15.6954

Rectangle

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



21.1214, 28.7439, 40.9941



25.4004, 28.7439, 56.5436



34.6267, 28.7439, 23.2644



29.3344, 28.7439, 14.9701

Sweetspot

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



21.1223, 28.7450, 40.9948



53.8710, 62.0406, 74.6110



16.2265, 28.7829, 9.0598



11.7554, 13.6987, 16.6767



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.



21.1223, 28.7450, 40.9948



35.5536, 49.6194, 73.1789



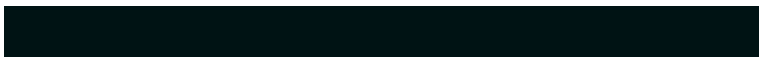
13.6438, 13.7880, 38.5020



7.7068, 8.4506, 9.6433



14.5206, 20.5013, 31.1673



0.3649, 0.5219, 0.7622

Inverse Universe

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



23.6484, 13.4867, 34.6157



40.5479, 20.9188, 60.2387



22.9415, 21.1218, 6.4829



7.8214, 7.6584, 9.3765



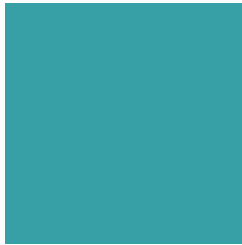
16.8299, 8.1407, 24.9795



0.4153, 0.2004, 0.6385

Previews

White Background



This preview shows how the XYZ color 21.1214, 28.7439, 40.9941 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 21.1214, 28.7439, 40.9941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

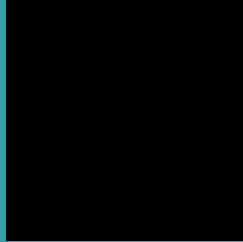
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1214, 28.7439, 40.9941

Background



This preview shows how black text looks on a background with the XYZ color 21.1214, 28.7439, 40.9941.

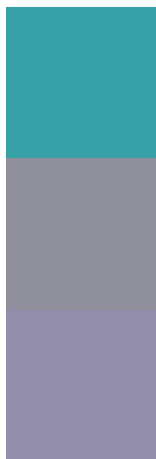


This preview shows how white text looks on a background with the XYZ color 21.1214, 28.7439,

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

21.1214, 28.7439, 40.9941

Protanopia

27.5607, 28.3101, 35.9101

Deuteranopia

29.0563, 28.4893, 42.4956



Tritanopia

21.5895, 28.6744, 43.4265

Trichromacy



Original Color

21.1214, 28.7439, 40.9941

Protanomaly

24.0215, 27.8306, 37.8240

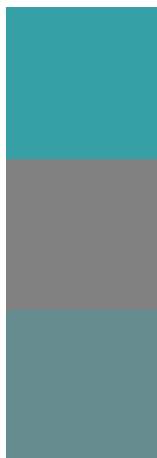
Deuteranomaly

24.9426, 27.9746, 42.1152

Tritanomaly

21.3412, 28.5684, 42.4197

Monochromacy



Original Color

21.1214, 28.7439, 40.9941

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.8155, 23.5641, 29.4905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1214, 28.7439, 40.9941 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(55, 160, 167)` looks like.

```
.text, #text, p{  
    color:rgb(55, 160, 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(55, 160, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 160, 167) }
```

Border

The CSS property to change the border of an element to XYZ 21.1214, 28.7439, 40.9941 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(55, 160, 167) }
```


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

```
.border{ border-color:rgb(55, 160, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 160, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 160, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 160, 167);  
box-shadow:4px 4px 4px 4px rgb(55, 160,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1214, 28.7439, 40.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 160, 167) }
```

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

```
.background{ background-color: rgb(55, 160,  
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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