

Converting Colors

XYZ(21.6274, 28.4508, 42.8797)

Have a look what the booklet for
XYZ(21.6274, 28.4508, 42.8797)
contains.

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Color

**XYZ(21.6274, 28.4508,
42.8797)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9EAB
RGB	63, 158, 171
RGB Percent	25%, 62%, 67%
CMY	0.7529, 0.3804, 0.3294
CMYK	0.63, 0.08, 0.00, 0.33
HSL	187°, 46%, 46%
HSV	187°, 63%, 67%
XYZ	21.6274, 28.4508, 42.8797
YIQ	131.0770, -60.7930, -16.0970

Conversions

Conversions Part 2

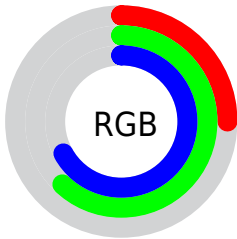
Format	Color
RYB	63, 114, 171
Decimal	4169387
CIELab	60.29, -23.60, -15.06
CIElCh	60, 27.995, 212.537
Yxy	28.4508, 0.2327, 0.3061
Android (android.graphics.Color)	4282359467 (0xFF3F9EAB)
YUV	131.0770, 19.6820, -59.7035
Hunter-Lab	53.3393, -20.9676, -10.3260

Details

The XYZ color **21.6274, 28.4508, 42.8797** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.2768, 14.1862, 6.3728**, and the grayscale version is **21.5492, 22.6715, 24.6892**.

A 20% lighter version of the original color is **45.5478, 57.2171, 80.5949**, and **8.4838, 11.6400, 19.2524** is the 20% darker color. If you saturate the color by 10%, you get **20.3524, 27.2773, 42.7209**, and if you desaturate by 10%, it is **23.2492, 29.8131, 43.0577**.

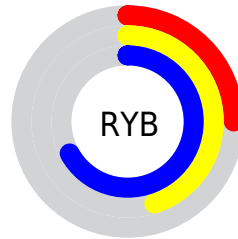
Distribution



Red (25%)

Green (62%)

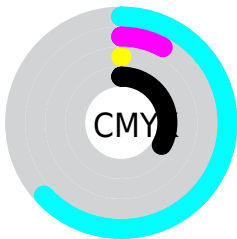
Blue (67%)



Red (25%)

Yellow (45%)

Blue (67%)

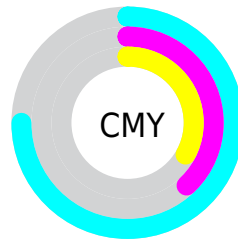


Cyan (63%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (75%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6274, 28.4508, 42.8797 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 21.6274, 28.4508, 42.8797 by changing the saturation by 10% instead.

■ 21.6274, 28.4508,
42.8797

■ 21.6274, 28.4508,
42.8797

253.2633,
294.6148, 374.0235

■ 13.6984, 18.6658,
29.4600

■ 45.6128, 57.2034,
80.8137

■ 7.9915, 11.4290,
19.1805

■ 62.4000, 76.9397,
106.1651

■ 4.1413, 6.3562,
11.6227

■ 82.8707, 100.7619,
136.3309

■ 1.7824, 3.0628,
6.3679

■ 107.3902,
129.0543, 171.7295

■ 0.5070, 1.1646,
2.9977

■ 136.3238,
162.2014, 212.7795

■ 0.0000, 0.0325,
1.0934

170.0370,

■ 0.0000, 0.0000,

200.5876, 259.8995

0.0000

208.8951,
244.5973, 313.5080

■ 21.6274, 28.4508,
42.8797

■ 21.6274, 28.4508,
42.8797

■ 20.3524, 27.2773,
42.7209

■ 23.2492, 29.8131,
43.0577

■ 19.3888, 26.2724,
42.5777

■ 25.2437, 31.3756,
43.2542

■ 18.6987, 25.4171,
42.4490

■ 27.6371, 33.1526,
43.4710

■ 18.3242, 24.8872,
42.3665

■ 30.4527, 35.1561,
43.7093

■ 33.7119, 37.3971,
43.9701

■ 37.4347, 39.8861,
44.2543

■ 41.6398, 42.6327,
44.5628

■ 46.3448, 45.6461,
44.8965

■ 51.5666, 48.9349,
45.2561

Harmonies

Analogous

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



20.7125, 28.4508, 31.8618



21.6274, 28.4508, 42.8797



23.9801, 28.4508, 52.0500

Triad

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



21.6274, 28.4508, 42.8797



33.6439, 28.4508, 41.0239



26.7371, 28.4508, 15.1225

Complementary

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



21.6274, 28.4508, 42.8797



20.2768, 14.1862, 6.3728

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.



30.3532, 28.4508, 16.5341



21.6274, 28.4508, 42.8797



34.5442, 28.4508, 30.1109

Square

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



21.6274, 28.4508, 42.8797



30.9286, 28.4508, 50.8226



33.2915, 28.4508, 21.5117



23.4948, 28.4508, 17.1168

Rectangle

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



21.6274, 28.4508, 42.8797



26.1545, 28.4508, 55.0180



33.2915, 28.4508, 21.5117



27.9486, 28.4508, 15.2145

Sweetspot

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



21.6283, 28.4519, 42.8804



56.6723, 64.4437, 78.4538



17.9041, 30.6994, 11.7475



12.2886, 14.1289, 17.4671



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.



21.6283, 28.4519, 42.8804



35.6625, 48.0628, 76.3993



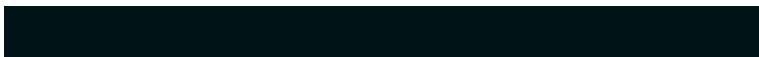
14.3920, 13.9792, 40.4683



8.1528, 8.9050, 10.2418



13.8391, 18.8120, 31.9462



0.4076, 0.5686, 0.8963

Inverse Universe

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



24.7443, 14.6823, 33.8788



41.9708, 22.3177, 57.6981



25.6220, 24.8766, 8.1545



8.2950, 8.1312, 9.8640



16.8490, 8.2021, 22.6479



0.4802, 0.2327, 0.6902

Previews

White Background



This preview shows how the XYZ color 21.6274, 28.4508, 42.8797 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 21.6274, 28.4508, 42.8797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

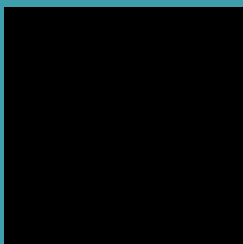
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

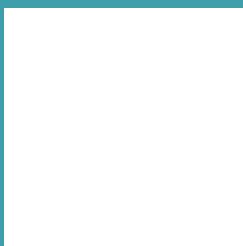
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6274, 28.4508, 42.8797

Background



This preview shows how black text looks on a background with the XYZ color 21.6274, 28.4508, 42.8797.



This preview shows how white text looks on a background with the XYZ color 21.6274, 28.4508,

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

21.6274, 28.4508, 42.8797

Protanopia

27.4108, 27.9689, 37.6720

Deuteranopia

28.5904, 27.9845, 44.4521



Tritanopia

21.6274, 28.4508, 42.8797

Trichromacy



Original Color

21.6274, 28.4508, 42.8797

Protanomaly

24.1915, 27.4071, 39.6124

Deuteranomaly

25.0131, 27.5008, 44.0343

Tritanomaly

21.6274, 28.4508, 42.8797

Monochromacy



Original Color

21.6274, 28.4508, 42.8797

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.6570, 24.1892, 30.7744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6274, 28.4508, 42.8797 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, 158, 171)` looks like.

```
.text, #text, p{  
    color:rgb(63, 158, 171)  
}
```

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, 158, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 158, 171) }
```

Border

The CSS property to change the border of an element to XYZ 21.6274, 28.4508, 42.8797 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, 158, 171) }
```


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

```
.border{ border-color:rgb(63, 158, 171) }
```

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

Here you see how a box with a 4 pixel rgb(63, 158, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 158, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 158, 171);  
box-shadow:4px 4px 4px 4px rgb(63, 158,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6274, 28.4508, 42.8797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 158, 171) }
```

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

```
.background{ background-color: rgb(63, 158,  
171) }
```

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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