

Converting Colors

XYZ(21.4904, 28.6761, 42.5292)

Have a look what the booklet for
XYZ(21.4904, 28.6761, 42.5292)
contains.

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Color

**XYZ(21.4575, 28.6284,
42.4251)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9FAA
RGB	59, 159, 170
RGB Percent	23%, 62%, 67%
CMY	0.7686, 0.3765, 0.3333
CMYK	0.65, 0.06, 0.00, 0.33
HSL	186°, 48%, 45%
HSV	186°, 65%, 67%
XYZ	21.4575, 28.6284, 42.4251
YIQ	130.3540, -63.1310, -17.7790

Conversions

Conversions Part 2

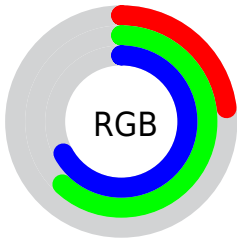
Format	Color
R_{YB}	59, 112, 170
Decimal	3907498
CIE _{Lab}	60.45, -25.08, -14.26
CIE _{LCh}	60, 28.857, 209.623
Yxy	28.6284, 0.2319, 0.3095
Android (android.graphics.Color)	4282097578 (0xFF3B9FAA)
YUV	130.3540, 19.5455, -62.5775
Hunter-Lab	53.5055, -22.0502, -9.5578




Details

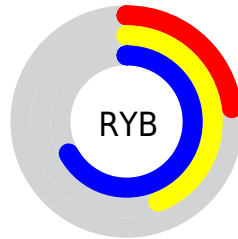
The XYZ color **21.4575, 28.6284, 42.4251** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.5578, 13.2429, 5.6639**, and the grayscale version is **21.2934, 22.4023, 24.3961**.




A 20% lighter version of the original color is **45.2449, 57.4513, 79.9387**, and **8.5277, 11.8234, 18.9722** is the 20% darker color. If you saturate the color by 10%, you get **20.3217, 27.6164, 42.2901**, and if you desaturate by 10%, it is **22.9271, 29.8196, 42.5781**.

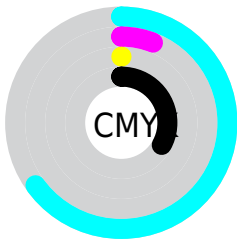
Distribution







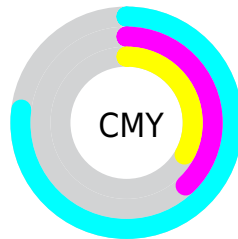
-  Red (23%)
-  Green (62%)
-  Blue (67%)






-  Red (23%)
-  Yellow (44%)
-  Blue (67%)



-  Cyan (65%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (77%)
-  Magenta (38%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4575, 28.6284, 42.4251 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 21.4575, 28.6284, 42.4251 by changing the saturation by 10% instead.

■ 21.4575, 28.6284,
42.4251

■ 21.4575, 28.6284,
42.4251

252.3859,
295.4576, 372.0936

■ 13.5732, 18.7999,
29.1062

■ 45.3333, 57.4862,
80.1196

■ 7.9041, 11.5258,
18.9149

■ 62.0554, 77.2842,
105.3324

■ 4.0849, 6.4217,
11.4326

■ 82.4543, 101.1742,
135.3468

■ 1.7503, 3.1031,
6.2408

■ 106.8951,
129.5406, 170.5815

■ 0.4875, 1.1858,
2.9209

■ 135.7434,
162.7677, 211.4550

■ 0.0000, 0.0501,
1.0544

169.3644,

■ 0.0000, 0.0000,

201.2400, 258.3858

0.0000

208.1234,
245.3418, 311.7925

■ 21.4575, 28.6284,
42.4251

■ 21.4575, 28.6284,
42.4251

■ 20.3217, 27.6164,
42.2901

■ 22.9271, 29.8196,
42.5781

■ 19.4839, 26.7632,
42.1696

■ 24.7566, 31.2016,
42.7484

■ 18.9032, 26.0483,
42.0622

■ 26.9726, 32.7888,
42.9380

■ 18.6725, 25.7357,
42.0141

■ 29.5984, 34.5931,
43.1479

■ 32.6554, 36.6258,
43.3791

■ 36.1636, 38.8969,
43.6326

■ 40.1417, 41.4164,
43.9092

■ 44.6072, 44.1931,
44.2098

■ 49.5770, 47.2358,
44.5352

Harmonies

Analogous

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



20.6700, 28.6284, 31.0370



21.4575, 28.6284, 42.4251



23.7534, 28.6284, 52.3787

Triad

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



21.4575, 28.6284, 42.4251



33.8550, 28.6284, 42.7123



27.2575, 28.6284, 14.8543

Complementary

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



21.4575, 28.6284, 42.4251



19.5578, 13.2429, 5.6639

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.



30.9876, 28.6284, 16.6355



21.4575, 28.6284, 42.4251



35.0027, 28.6284, 31.3064

Square

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



21.4575, 28.6284, 42.4251



30.8989, 28.6284, 52.5693



33.9094, 28.6284, 22.1078



23.8278, 28.6284, 16.5471

Rectangle

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



21.4575, 28.6284, 42.4251



25.9431, 28.6284, 55.9563



33.9094, 28.6284, 22.1078



28.5184, 28.6284, 15.0593

Sweetspot

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



21.4584, 28.6295, 42.4258



56.3356, 64.5292, 78.4881



17.2302, 30.1003, 10.4117



12.2324, 14.1694, 17.4779



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.



21.4584, 28.6295, 42.4258



36.1824, 49.4348, 76.6367



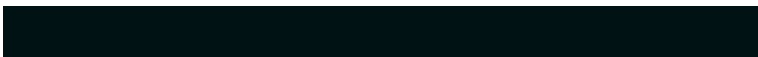
14.1373, 13.9873, 39.9854



7.6831, 8.4031, 9.6354



13.7584, 18.9770, 30.9133



0.3524, 0.4969, 0.7580

Inverse Universe

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



24.4003, 14.1781, 34.2526



42.1522, 22.0799, 59.6100



24.5441, 23.2155, 7.3260



7.8094, 7.6536, 9.3135



16.4452, 7.9868, 22.9538



0.4090, 0.1979, 0.6053

Previews

White Background



This preview shows how the XYZ color 21.4575, 28.6284, 42.4251 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 21.4575, 28.6284, 42.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

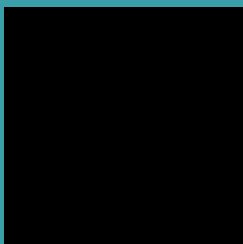
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

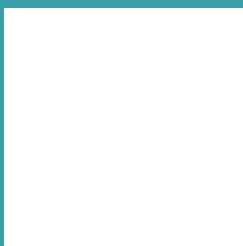
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4575, 28.6284, 42.4251

Background



This preview shows how black text looks on a background with the XYZ color 21.4575, 28.6284, 42.4251.

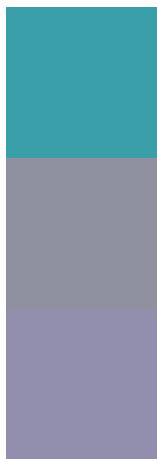


This preview shows how white text looks on a background with the XYZ color 21.4575, 28.6284,

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

21.4575, 28.6284, 42.4251

Protanopia

27.6461, 28.3242, 37.2677

Deuteranopia

28.9900, 28.4217, 44.0024



Tritanopia

21.7080, 28.7355, 43.4321

Trichromacy



Original Color

21.4575, 28.6284, 42.4251

Protanomaly

24.1304, 27.6200, 39.1813

Deuteranomaly

25.0722, 27.7743, 43.5747

Tritanomaly

21.6123, 28.6972, 42.9281

Monochromacy



Original Color

21.4575, 28.6284, 42.4251

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.3446, 24.0371, 30.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4575, 28.6284, 42.4251 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(59, 159, 170)` looks like.

```
.text, #text, p{  
    color:rgb(59, 159, 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(59, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 159, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.4575, 28.6284, 42.4251 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(59, 159, 170) }
```


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

```
.border{ border-color:rgb(59, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(59, 159,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4575, 28.6284, 42.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 159, 170) }
```

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

```
.background{ background-color: rgb(59, 159,  
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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