

Converting Colors

XYZ(21.3541, 15.5831, 42.3090)

Have a look what the booklet for
XYZ(21.3541, 15.5831, 42.3090)
contains.

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Color

**XYZ(21.3857, 15.5584,
42.4334)**

Conversions

Conversions Part 1

Format	Color
Hex	875AAF
RGB	135, 90, 175
RGB Percent	53%, 35%, 69%
CMY	0.4706, 0.6470, 0.3137
CMYK	0.23, 0.49, 0.00, 0.31
HSL	272°, 35%, 52%
HSV	272°, 49%, 69%
XYZ	21.3857, 15.5584, 42.4334
YIQ	113.1450, -0.4650, 35.9750

Conversions

Conversions Part 2

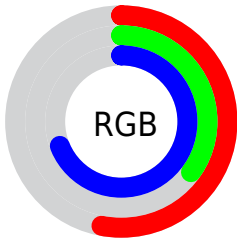
Format	Color
R_{YB}	135, 90, 175
Decimal	8870575
CIE _{Lab}	46.39, 35.19, -38.52
CIE _{LCh}	46, 52.173, 312.414
Yxy	15.5584, 0.2694, 0.1960
Android (android.graphics.Color)	4287060655 (0xFF875AAF)
YUV	113.1450, 30.4945, 19.1668
Hunter-Lab	39.4441, 27.7513, -36.1724

Details

The XYZ color **21.3857, 15.5584, 42.4334** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **26.3818, 36.1444, 15.2596**, and the grayscale version is **15.6520, 16.4672, 17.9327**.

A 20% lighter version of the original color is **45.1839, 35.7664, 80.1235**, and **7.9081, 4.9001, 18.9414** is the 20% darker color. If you saturate the color by 10%, you get **18.8056, 12.2893, 41.9387**, and if you desaturate by 10%, it is **24.4170, 19.5765, 43.0495**.

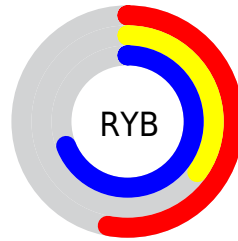
Distribution



Red (53%)

Green (35%)

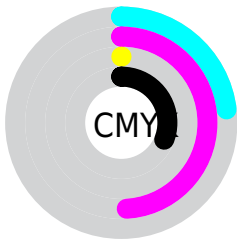
Blue (69%)



Red (53%)

Yellow (35%)

Blue (69%)

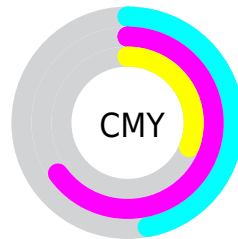


Cyan (23%)

Magenta (49%)

Yellow (0%)

Black (31%)



Cyan (47%)

Magenta (65%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3857, 15.5584, 42.4334 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 21.3857, 15.5584, 42.4334 by changing the saturation by 10% instead.

■ 21.3857, 15.5584,
42.4334

■ 21.3857, 15.5584,
42.4334

252.0143,
226.7216, 372.1289

■ 13.5203, 9.2122,
29.1127

■ 45.2150, 35.8298,
80.1323

■ 7.8672, 4.8799,
18.9198

■ 61.9097, 50.5239,
105.3476

■ 4.0612, 2.1769,
11.4361

■ 82.2781, 68.7694,
135.3648

■ 1.7368, 0.7074,
6.2431

■ 106.6856, 90.9506,
170.6025

■ 0.4792, 0.0000,
2.9223

135.4977,
117.4521, 211.4792

■ 0.0000, 0.0000,
1.0551

169.0796,

■ 0.0000, 0.0000,

148.6582, 258.4135

0.0000

207.7967,
184.9532, 311.8239

■ 21.3857, 15.5584,
42.4334

■ 21.3857, 15.5584,
42.4334

■ 18.8056, 12.2893,
41.9387

■ 24.4170, 19.5765,
43.0495

■ 16.6478, 9.7167,
41.5558

■ 27.9223, 24.3877,
43.7934

■ 14.8825, 7.7838,
41.2758

■ 31.9248, 30.0347,
44.6724

■ 13.4745, 6.4239,
41.0875

■ 36.4456, 36.5564,
45.6929

■ 12.3633, 5.5200,
40.9716

■ 41.5044, 43.9895,
46.8610

■ 12.2166, 5.4040,
40.9569

■ 47.1201, 52.3683,
48.1823

■ 53.3103, 61.7255,
49.6622

■ 60.0919, 72.0921,
51.3057

■ 67.4811, 83.4977,
53.1178

Harmonies

Analogous

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



16.7162, 15.5584, 54.2169



21.3857, 15.5584, 42.4334



24.6033, 15.5584, 25.5328

Triad

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



21.3857, 15.5584, 42.4334



17.5437, 15.5584, 2.6328



7.8742, 15.5584, 22.8110

Complementary

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



21.3857, 15.5584, 42.4334



26.3818, 36.1444, 15.2596

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.



8.0070, 15.5584, 10.5310



21.3857, 15.5584, 42.4334



13.0137, 15.5584, 2.4699

Square

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



21.3857, 15.5584, 42.4334



22.0958, 15.5584, 5.1607



9.7091, 15.5584, 4.4808



9.3001, 15.5584, 39.5978

Rectangle

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



21.3857, 15.5584, 42.4334



25.1615, 15.5584, 15.9234



9.7091, 15.5584, 4.4808



7.7477, 15.5584, 17.9999

Sweetspot

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



21.3863, 15.5590, 42.4338



59.7517, 57.4809, 80.5825



20.0824, 21.5244, 43.6539



12.9205, 12.2594, 17.8297



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.3863, 15.5590, 42.4338



33.4976, 21.7853, 75.0763



28.9352, 19.4666, 42.0645



7.9684, 7.9580, 10.0688



8.8202, 3.9068, 29.3337



0.3079, 0.1409, 0.8190

Inverse Universe

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



25.3651, 18.0386, 23.2645



41.8920, 27.0081, 35.0211



21.4533, 33.5966, 15.3467



8.1562, 8.0757, 9.1335



13.7916, 6.9792, 6.5478



0.4115, 0.2053, 0.3285

Previews

White Background



This preview shows how the XYZ color 21.3857, 15.5584, 42.4334 looks on a white 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

Black Background



This preview shows how the XYZ color 21.3857, 15.5584, 42.4334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

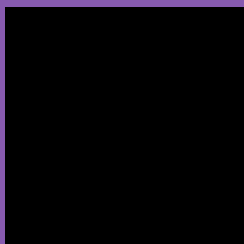
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3857, 15.5584, 42.4334

Background



This preview shows how black text looks on a background with the XYZ color 21.3857, 15.5584, 42.4334.



This preview shows how white text looks on a background with the XYZ color 21.3857, 15.5584,

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

21.3857, 15.5584, 42.4334

Protanopia

17.4093, 15.6934, 51.4018

Deuteranopia

16.1511, 15.7544, 40.7177



Tritanopia

16.3444, 15.5805, 17.7687

Trichromacy



Original Color

21.3857, 15.5584, 42.4334

Protanomaly

18.2345, 15.2969, 47.8905

Deuteranomaly

17.4422, 15.3317, 41.0697

Tritanomaly

17.9032, 15.4811, 25.3371

Monochromacy



Original Color

21.3857, 15.5584, 42.4334

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.3807, 15.9457, 25.4543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3857, 15.5584, 42.4334 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(135, 90, 175)` looks like.

```
.text, #text, p{  
    color:rgb(135, 90, 175)  
}
```

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(135, 90, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 90, 175) }
```

Border

The CSS property to change the border of an element to XYZ 21.3857, 15.5584, 42.4334 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(135, 90, 175) }
```


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

```
.border{ border-color:rgb(135, 90, 175) }
```

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

Here you see how a box with a 4 pixel rgb(135, 90, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 90, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 90, 175);  
box-shadow:4px 4px 4px 4px rgb(135, 90,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3857, 15.5584, 42.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 90, 175) }
```

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

```
.background{ background-color: rgb(135, 90,  
175) }
```

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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