

Converting Colors

XYZ(15.6728, 24.7657, 21.4227)

Have a look what the booklet for
XYZ(15.6728, 24.7657, 21.4227)
contains.

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Color

**XYZ(15.7221, 24.8744,
21.4254)**

Conversions

Conversions Part 1

Format	Color
Hex	279A77
RGB	39, 154, 119
RGB Percent	15%, 60%, 47%
CMY	0.8470, 0.3961, 0.5333
CMYK	0.75, 0.00, 0.23, 0.40
HSL	162°, 60%, 38%
HSV	162°, 75%, 60%
XYZ	15.7221, 24.8744, 21.4254
YIQ	115.6250, -57.3050, -35.2650

Conversions

Conversions Part 2

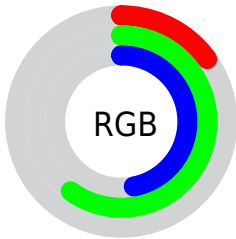
Format	Color
R_{YB}	39, 107, 154
Decimal	2595447
CIE _{Lab}	56.95, -39.98, 9.45
CIE _{LCh}	57, 41.085, 166.699
Y _{xy}	24.8744, 0.2535, 0.4011
Android (android.graphics.Color)	4280785527 (0xFF279A77)
YUV	115.6250, 1.6639, -67.2001
Hunter-Lab	49.8742, -31.0105, 9.4417

Details

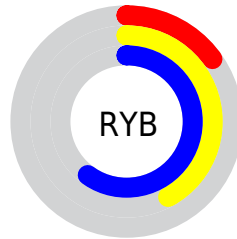
The XYZ color **15.7221, 24.8744, 21.4254** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.2889, 8.8162, 7.3757**, and the grayscale version is **16.4942, 17.3532, 18.8976**.

A 20% lighter version of the original color is **35.6306, 51.3660, 46.5648**, and **5.8887, 9.9577, 7.5729** is the 20% darker color. If you saturate the color by 10%, you get **14.9786, 24.5234, 19.9576**, and if you desaturate by 10%, it is **16.7176, 25.3549, 22.9786**.

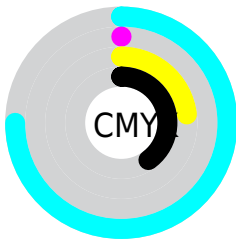
Distribution



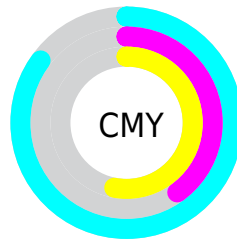
- Red (15%)
- Green (60%)
- Blue (47%)



- Red (15%)
- Yellow (42%)
- Blue (60%)



- Cyan (75%)
- Magenta (0%)
- Yellow (23%)
- Black (40%)



- Cyan (85%)
- Magenta (40%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7221, 24.8744, 21.4254 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 15.7221, 24.8744, 21.4254 by changing the saturation by 10% instead.

■ 15.7221, 24.8744,
21.4254

■ 15.7221, 24.8744,
21.4254

220.9990,
277.2119, 272.3856

■ 9.4173, 15.9835,
13.2410

■ 35.6764, 51.4534,
46.6844

■ 5.0736, 9.5125,
7.4621

■ 50.0567, 69.9103,
64.5961

■ 2.3257, 5.0769,
3.6699

■ 67.8595, 92.3246,
86.5874

■ 0.8078, 2.2925,
1.4461

■ 89.4502, 119.0808,
113.0767

■ 0.0000, 0.7697,
0.1773

■ 115.1941,
150.5632, 144.4827

■ 0.0000, 0.0000,
0.0000

■ 145.4567,

187.1563, 181.2238

180.6032,
229.2444, 223.7186

■ 15.7221, 24.8744,
21.4254

■ 15.7221, 24.8744,
21.4254

■ 14.9786, 24.5234,
19.9576

■ 16.7176, 25.3549,
22.9786

■ 14.4529, 24.2826,
18.5708

■ 17.9889, 25.9753,
24.6177

■ 14.2166, 24.1762,
17.8628

■ 19.5591, 26.7482,
26.3453

■ 21.4483, 27.6838,
28.1633

■ 23.6748, 28.7917,
30.0735

■ 26.2556, 30.0804,
32.0776

■ 29.2063, 31.5581,
34.1773

■ 32.5417, 33.2324,
36.3742

■ 36.2758, 35.1105,
38.6699

Harmonies

Analogous

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



17.5192, 24.8744, 12.6552



15.7221, 24.8744, 21.4254



15.8307, 24.8744, 35.4482

Triad

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



15.7221, 24.8744, 21.4254



26.4064, 24.8744, 61.2871



30.5844, 24.8744, 11.9969

Complementary

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



15.7221, 24.8744, 21.4254



15.2889, 8.8162, 7.3757

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.



33.6756, 24.8744, 20.1513



15.7221, 24.8744, 21.4254



31.0481, 24.8744, 49.6678

Square

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



15.7221, 24.8744, 21.4254



21.5738, 24.8744, 61.9918



33.8560, 24.8744, 33.6603



25.8391, 24.8744, 8.5962

Rectangle

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



15.7221, 24.8744, 21.4254



16.9634, 24.8744, 46.2419



33.8560, 24.8744, 33.6603



31.8780, 24.8744, 14.1181

Sweetspot

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



15.7228, 24.8754, 21.4260



43.9948, 52.7938, 55.4263



14.8570, 24.7714, 5.9183



9.7079, 11.8249, 12.3436



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.7228, 24.8754, 21.4260



26.4923, 44.2173, 34.4417



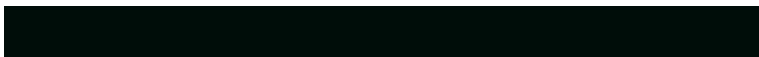
15.0464, 19.5177, 33.5471



6.3045, 6.9945, 7.5267



11.5987, 19.7029, 14.6391



0.1893, 0.3009, 0.3028

Inverse Universe

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



15.2889, 8.8162, 7.3757



25.7425, 13.4979, 7.9642



15.3137, 10.2578, 3.0928



6.2823, 6.2521, 6.8670



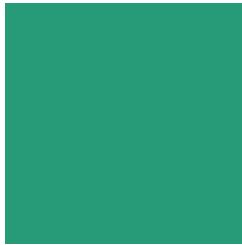
11.2877, 5.7693, 2.7742



0.1836, 0.0922, 0.1196

Previews

White Background



This preview shows how the XYZ color 15.7221, 24.8744, 21.4254 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 15.7221, 24.8744, 21.4254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

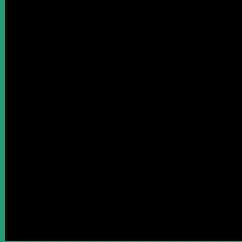
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7221, 24.8744, 21.4254

Background



This preview shows how black text looks on a background with the XYZ color 15.7221, 24.8744, 21.4254.



This preview shows how white text looks on a background with the XYZ color 15.7221, 24.8744,

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

15.7221, 24.8744, 21.4254

Protanopia

22.9800, 24.3830, 18.2471

Deuteranopia

24.8913, 24.4601, 22.4782



Tritanopia

18.7985, 24.6785, 37.0304

Trichromacy



Original Color

15.7221, 24.8744, 21.4254



Protanomaly

18.5975, 23.6024, 19.1983



Deuteranomaly

19.4276, 23.3151, 21.8887



Tritanomaly

17.4334, 24.5871, 30.6150

Monochromacy



Original Color

15.7221, 24.8744, 21.4254



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.2180, 19.3243, 19.7575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7221, 24.8744, 21.4254 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(39, 154, 119)` looks like.

```
.text, #text, p{  
    color:rgb(39, 154, 119)  
}
```

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(39, 154, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 154, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.7221, 24.8744, 21.4254 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(39, 154, 119) }
```


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

```
.border{ border-color:rgb(39, 154, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 154, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 154, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 154, 119);  
box-shadow:4px 4px 4px 4px rgb(39, 154,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7221, 24.8744, 21.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 154, 119) }
```

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

```
.background{ background-color: rgb(39, 154,  
119) }
```

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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